

# CANADIAN INDUSTRY IN 1871

Ontario County Series #10

## HASTINGS COUNTY INDUSTRIES, 1871 INDEX TO MANUSCRIPT CENSUS

G.T. Bloomfield & Elizabeth Bloomfield

G.T. Bloomfield, series editor



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**Cover Illustration** (selected and described by G.T. Bloomfield)

The view of Whitevale, Township of Pickering, was chosen to illustrate Canadian industry in 1871. At this time, a high proportion of manufacturing activity was still located in small settlements, some of which were growing rapidly into towns. **Lovell's Directory** (1871) described Whitevale as:

A thriving village...[with] extensive flouring and woollen mills... Montreal Telegraph Co has an office here. Distant from Whitby, the county town, and a station of the Grand Trunk Railway, 13 miles. Mail daily. Population about 250.

Truman P. White has acquired the water rights at Majorville on Duffin's Creek in 1845 and developed a grist mill, a saw mill and, later, a woollen mill. By 1871 the census enumerated six significant industrial establishments employing 66 workers and with a total value of production amounting to \$125,000. The transition from waterwheels (70 horsepower) to steam engines (66 horsepower) was already apparent in the village by this date. In common with its counterparts across the country, Whitevale's basic industrial activities were closely associated with the local agricultural area. There was also considerable economic integration apparent in the ownership of several establishments by Truman P. White and in the making of staves in the sawmill for the cooper shop which in turn supplied the flour mill with basic containers for transporting the flour to market.

Unlike many of its contemporaries, Whitevale has remained about the same size ever since 1871. The 1971 census recorded a population of only 273 in the unincorporated settlement. Whitevale never achieved connection by railway, county road or provincial highway. Much of the surrounding land was acquired for the planned Pickering airport and new town in 1972/3 and today the settlement is threatened by the creation of a municipal solid waste dump for Metropolitan Toronto and the Durham Region.

The illustration was first published in the **Illustrated Historical Atlas of the County of Ontario** (Toronto: J.H. Bees and Co., 1877), reprinted Ross Cumming, 1972).

**CANADIAN INDUSTRY IN 1871 (CANIND'71) PROJECT**

**Ontario County Series #10**

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INDEX TO MANUSCRIPT CENSUS**

**G.T. Bloomfield & Elizabeth Bloomfield**

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**University of Guelph**

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## CANADIAN INDUSTRY IN 1871: ONTARIO COUNTY SERIES

The first Census of Canada was taken at a time when the "hum of industry" was believed to be an essential sign of a community's progress, usually associated with the benefits of railway connections. Many people at this time seem to have shared Thomas Keefer's vision of "the civilizing tendency of the locomotive":

A town has been built and peopled by the operatives -- land rises rapidly in value -- the neglected swamp is cleared and the timber is converted into all sorts of wooden "notions" -- tons of vegetables, grains or grasses are grown where none grew before -- the patient click of the loom, the busy hum of the spindle, the thundering of the trip-hammer and the roaring of steam, are mingled in one continuous sound of active industry.<sup>1</sup>

The CANIND71 database created from the manuscript census schedules of industrial establishments is used in this series to provide snapshots of industrial activity in Ontario just after Confederation, at a time of transition in technology, business organization and work discipline. The 36 Ontario counties varied in the amount and intensity of "active industry", depending on how long they had been settled, how much of their population lived in cities and towns, and how well connected they were by rail or water transport.

One title in the CANIND71 series of research reports has already examined the mix of industrial activity in Wellington County, Ontario, as a model for what might be done for any other place of similar size and population in Ontario, Quebec, New Brunswick or Nova Scotia.<sup>2</sup>

The reports in the Ontario County Series have less detailed description and analysis than the study of Wellington County and more tabulations of data compiled out of the CANIND71 database. The reports follow a similar format. First, features of the CANIND71 database, especially its geographical organization and industrial classification, are explained so that readers can understand tables for particular counties. Each county is defined and factors in its history, location and resources that influenced the amount and character of industry by 1870-1 are noted. Then the structure and characteristics of industry in that county are summarized under the headings of location and distribution, industry types, size structure of industrial units, use of water and steam power, workplace types, and leading firms. The appendices present aggregate data grouped by geographical location, industry classifications and specific industry types. Summary data for individual establishments are then listed for the whole county, alphabetically by the proprietor's name, with additional lists for establishments in each city, town or village.

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<sup>1</sup> T.C. Keefer, Philosophy of Railroads (1850), edited with an introduction by H.V. Nelles (Toronto: University of Toronto Press, 1972), p. 9.

<sup>2</sup> Elizabeth Bloomfield and G.T. Bloomfield, The Hum of Industry: Millers, Manufacturers and Artisans of Wellington County CANIND71 Research Report 9 (Guelph: University of Guelph, Department of Geography, 1989).



## CANADIAN INDUSTRY IN 1871: ONTARIO COUNTY SERIES

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- 0-88955-247-9 Brant County Industries, 1871: Index to Manuscript Census (#1 in series)
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- 0-88955-265-7 Middlesex County Industries, 1871: Index to Manuscript Census (#18 in series)
- 0-88955-266-5 Norfolk County Industries, 1871: Index to Manuscript Census (#19 in series)
- 0-88955-267-3 Northumberland & Durham County Industries, 1871: Index to Manuscript Census  
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- 0-88955-269-X Oxford County Industries, 1871: Index to Manuscript Census (#22 in series)
- 0-88955-270-3 Peel County Industries, 1871: Index to Manuscript Census (#23 in series)
- 0-88955-271-1 Perth County Industries, 1871: Index to Manuscript Census (#24 in series)
- 0-88955-272-X Peterborough County Industries, 1871: Index to Manuscript Census (#25 in series)
- 0-88955-273-8 Prescott & Russell County Industries, 1871: Index to Manuscript Census  
(#26 in series)
- 0-88955-274-6 Prince Edward County Industries, 1871: Index to Manuscript Census  
(#27 in series)
- 0-88955-275-4 Renfrew County Industries, 1871: Index to Manuscript Census (#28 in series)
- 0-88955-276-2 Simcoe County Industries, 1871: Index to Manuscript Census (#29 in series)
- 0-88955-277-0 Stormont, Dundas & Glengarry County Industries, 1871: Index to Manuscript  
Census (#30 in series)
- 0-88955-278-9 Victoria County Industries, 1871: Index to Manuscript Census (#31 in series)
- 0-88955-279-7 Waterloo County Industries, 1871: Index to Manuscript Census (#32 in series)
- 0-88955-280-0 Welland County Industries, 1871: Index to Manuscript Census (#33 in series)
- 0-88955-281-9 Wentworth County Industries, 1871: Index to Manuscript Census (#34 in series)
- 0-88955-282-7 York County Industries, 1871: Index to Manuscript Census (#35 in series)
- 0-88955-283-5 Northern Districts Industries, 1871: Index to Manuscript Census (#36 in series)



## INTRODUCTION TO THE CANIND71 DATABASE

The CANIND71 database is a machine-readable version of the original manuscript information for more than 45,000 industrial establishments counted in the first Census of Canada in 1871. This new source provides a wealth of information for the four provinces enumerated in 1871 -- New Brunswick, Nova Scotia, Ontario and Quebec. The 1871 census was the first to be taken on a consistent basis for the four provinces. Although similar information was collected in the Canadian censuses of 1881, 1891, 1901 and 1911, the manuscript schedules for industry have not survived. The 1871 census manuscripts are thus the only systematic source for industrial activity that survives in such detail from the nineteenth century. Moreover, the 1871 schedules contain a great deal of information that was never published at the time.

In using the CANIND71 data, we should understand the definitions and procedures used by the 1871 census enumerators:<sup>3</sup>

- \* Industrial businesses found by the census enumerators as they made their rounds in early April 1871 were included, and details were recorded of their operations during the preceding twelve months.
- \* An industrial establishment was defined as "a place where one or several people are employed in manufacturing, altering, making up or changing from one shape into another, materials for sale, use or consumption, quite irrespectively of the amount of capital employed or of the products turned out" (p. 138). No minimum value of output was set, in contrast to the United States censuses in the same period, for which only establishments with at least \$500 worth were included.
- \* All repairs, mending or custom work were understood to be industrial products. Thus the definition of industrial activity was considerably broader than it would be in the twentieth century.
- \* Numbers of workers or "employés" were defined to be the average number of persons actually working in the industrial establishment during the 12-month reporting period, and could consist entirely of members of the proprietor's family. The industrial workforce was subdivided by age and gender into men, women, boys (males under 16 years) and girls (females under 16 years), but the amount of wages paid to each age-gender group of worker was not separately stated.
- \* Industrial establishments were recorded in the geographical units -- District, Sub-District or Division -- in which they were found "and nowhere else. The principle is essential in every case. The production is attached to the locality" (p. 139).
- \* In reporting custom work such as tailoring or work done on toll such as that of some grist mills or carding mills, enumerators were told to state the real value of raw materials, even if these amounts did not pass through the accounts of the proprietor.

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<sup>3</sup> "Manual Containing the Census Act and Instructions to Officers Employed in Taking of the First Census of Canada, 1871," Canada Sessional Papers No. 64 (1871). Quotations are from this source.

\* Though enumerators could specify the types, quantities and values of individual raw materials and products for each establishment, it was foreseen that in most cases only the aggregate dollar values or raw materials and products would be stated.

\* Values of fixed capital and floating capital invested in the industrial business were distinguished rather than merged, and the number of working months was specified.

Only a very limited amount of the information collected in Schedule 6 of the 1871 census was published in the official census volumes of the 1870s.<sup>4</sup> The statistical tables published at the time used various industrial types that were defined pragmatically rather than systematically, and then listed in alphabetical order. For each industry type, whether as specialized as whip making or as ubiquitous as blacksmithing, figures were published for numbers of establishments, hands employed, yearly wages, value of raw materials and value of products in each of 206 Census Districts.

No industrial data at all were published for smaller areal units such as the Census Sub-Districts, either as summaries of total industrial activity or for specific types of industry. Thus the only 1871 industrial information published for urban centres was for the six cities, the boundaries of which exactly coincided with those of one or more Census Districts. These were Montreal, Toronto, Hamilton, Ottawa, London and Kingston. Some information collected by the enumerators was never compiled into published tables, notably for types and horse-power units of inanimate power, months of operation during the reporting period, and "floating" capital distinguished from "fixed" capital. The published totals also understated the real extent and value of industrial activity as these can now be reconstituted from the manuscript census schedules.<sup>5</sup>

### Database Variables

The CANIND71 database has made machine-readable information about all the industrial firms counted in Canada's first national census. For each establishment, there are up to 125 variables. The firms were located in 206 Census Districts and over 1600 Census Sub-Districts in Ontario, Quebec, New Brunswick and Nova Scotia. All details recorded by the enumerators on the manuscript census schedules have been included as basic variables in the CANIND71 database. These are: name of proprietor, kind of industrial business, geographical location, use of non-manual forms of power, numbers of workers (distinguished into men, women, boys and girls), number of working months in the year, and the dollar amounts of fixed and floating capital invested, wages, raw materials and products, as well as kinds, quantities, units of measurement and values of individual raw materials and products, and additional remarks or comments.

In addition to the information transcribed from the census manuscripts, the CANIND71 database contains several variables derived by calculation or inference from the basic variables. These include the total values of raw materials or of products

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<sup>4</sup> Census of Canada 1871, volume III, Tables 28-55.

<sup>5</sup> For a more detailed discussion of the 1871 Census procedures and a comparison of the published and manuscript data for industry in 1871, see Creating CANIND71: Procedures for Making the 1871 Census Machine-Readable (Research Report 4, 1989).



(when only details for component products or materials had been stated on the manuscript schedules), the value added (gross value of output less costs of raw materials when both these figures were reported), the total number of employees, and the average monthly wage per employee.

### **Geographical Organization**

The original descriptions of geographical areas defined for the 1871 Census were researched to ensure that the codes and place names were entered accurately and consistently into the database. For ease in returning to the original schedules, we adopted the same code letters and numbers that were used in 1871 to describe the Census Districts, Census Sub-Districts and Census Enumerators' Divisions. The 206 Census Districts were intended to correspond with the Electoral Districts defined under the British North America Act 1867.<sup>6</sup> Census Districts were divided into 1,701 Census Sub-Districts, which were intended to correspond with Municipal or other recognized divisions -- towns, villages, townships or city wards in Ontario, for example. The Census Sub-Districts were subdivided into nearly 3,000 Census Enumerators' Divisions, but these were defined for convenience of census-taking rather than to coincide with any other system of defining areas and no maps or written descriptions of these units have survived.<sup>7</sup>

Details of Census District name (with variable name CDISTRIC) and number (CDID), Census Sub-District name (CSD) and Census Enumerator's Division (CED) were coded for each manuscript record as it was entered into the CANIND71 database. Usually this information was written by the census enumerators on the manuscript schedules. But we had to standardize the names and codes for computer processing. We numbered the Census Districts in the same sequence from 001: Essex in southwest Ontario to 206: Richmond, Nova Scotia. Census district numbers in Ontario were prefaced with the letter O. We also adopted the same code letters and numbers that were used to describe the smaller Census Sub-Districts and Census Enumerators' Divisions in 1871. Municipal status was abbreviated as V-Village, T-Town (or Ville), C-City and Tp-Township. In the case of CSDs with the same principal name, they are distinguished by the directional abbreviations following the place name, such as N for North or Nord, S for South or Sud, E for East or Est, W for West.

### **Industrial Classification**

The census enumerators used natural language to describe the kinds of establishment and industrial raw materials and products they encountered.<sup>8</sup> In creating the CANIND71 database, we entered the enumerators' words into the computer record, but we also assigned standardized codes to each record to denote industry types and major groups more precisely and consistently. These codes are vital for analysis of the data.

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<sup>6</sup> Statutes of Canada, 33 Vict. 1870, Cap. 21, s. 4.

<sup>7</sup> See G.T. Bloomfield, Boundaries of Canadian Census Units in 1871 (CANIND71 Research Report 10, 1990).

<sup>8</sup> See Glossary of Industrial Language (CANIND71 Research Report 5, 1989) and French-English Dictionary of Industrial Language (CANIND71 Research Report 6, 1989).



Each record in the CANIND71 database has been assigned a code according to the 1970 Standard Industrial Classification Manual of the Canada Dominion Bureau of Statistics.<sup>9</sup> Understandably, there were some problems in applying a 1970 classification to the conditions of a century earlier. Changes in technology have eliminated some industry types that were common in 1871. The more rudimentary level of economic and business organization in 1871 meant that many enterprises combined industrial activities that would typically be separated in specialized businesses by 1970. Repair of all kinds of goods and equipment was more integrally associated with manufacture in 1871.

The appropriate SIC code for each record was determined by study of both the stated kind of establishment and the actual products and raw materials reported in each case. Wherever possible, we chose the SIC code that best matched the actual outputs of the business as reported for the year ending March 31, 1871. The "kind of establishment" information alone could be quite misleading, as this term was sometimes an occupational label that did not really describe the actual products. For example, a business might be described very generally as a "foundry", which would rate a code of "294" only if its products were primarily iron castings. More typically, the products of so-called foundries in 1871 were fabricated metal products such as stoves (307-S) or general machinery (315) or agricultural implements (311). In another example, one who was by trade a blacksmith and so recorded in the "kind of establishment" column may have had opportunities to make all kinds of metal goods, often including carriages and wagons. If he made definite numbers of carriages or other items of transportation equipment, his business would be assigned the appropriate and more specific SIC code of "329" rather than "896" which would be assigned for a blacksmith engaged only in "country work and repairs".

We adapted the 1970 system to the 1871 context in two main ways. First, suffixes of hyphen and capital letter could be added to the basic 3-digit code to give greater specificity, a brewery (109-B) being distinguished from a distillery (109-D) for example. Second, an establishment that combined two or more products or services was given a compound SIC code, consisting of the two most important linked by a slash (/), so that a flour mill-cum-distillery is represented as "105/109-D".

These elaborations of the basic classification system resulted in a total list of over 700 specific codes that were used to describe the 45,070 firms in the four provinces in 1871. A few of these codes were shared by large numbers of establishments. Thus 5,254 blacksmiths were assigned the SIC code of "896", 5,088 saw mills had the basic code of "251", and 4,189 shoemakers were coded "174". Some 2,830 handloom weavers were given the code "182-W", 2,527 carriage and wagon makers were coded "329", and 2,098 flour mills share the code "105". Basic SIC codes assigned to at least 50 industrial establishments throughout Canada are listed in Table 1. At the other extreme, some significant enterprises had codes that were unique for Canada.

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<sup>9</sup> For a more detailed discussion of our use of SIC codes, see G.T. Bloomfield, Standard Industrial Classifications Applied to Historical Data (CANIND71 Research Report 7, 1989). The CANIND71 classification is based on Dominion Bureau of Statistics, Standard Industrial Classification Manual (Ottawa, 1970); for French-language equivalents we consulted Statistique Canada, Classification type des industries (Ottawa, 1990).

Table 1  
**STANDARD INDUSTRIAL CLASSIFICATION (1970) ADAPTED FOR 1871:**  
 short list of codes with at least 50 occurrences in CANIND71 database

101-P	Pork Curing/Packing	Salaison de porc
102	Fish Curing	Salaison de poisson
104	Cheese Factories	Fromageries
105	Flour/Grist Mill	Farine, Moulin à
105-O	Oatmeal Mill	Avoine, Moulin d'
107	Bakeries	Boulangeries
108-C	Confectionery	Confiserie
109-B	Brewery	Brasserie
109-S	Aerated Water	Eaux gazeuses
153	Tobacco Working	Tabac, Manufacture d
172	Tanneries	Tanneries
174	Boots/Shoes	Bottes/Souliers
179-S	Saddle/Harness Making	Selles]
182	Woolen Cloth Factories	Drap, Fabriques de
182-W	Weaver	Tisserand
189-W	Carding/Fulling Mills	Carder/fouler, Moulins à
239-K	Stockings/Mittens/Hand Knitter	Bas/Mitaines/Tricoteur
242	Clothing	Habillements
243	Tailors/Clothiers	Habillements pour hommes
246	Furrier/Hatter	Pelleterie/Chapellerie
249-M	Milliner	Modiste
251	Saw Mill	Moulin à scie
251-S	Shingle Making	Bardeaux, Confection de
254	Sashes/Doors/Blinds	Portes/Fenêtres
256	Basket Making	Vanneries
259	Wood Products, Misc	Produits de bois, divers
259-C	Cooperage	Tonnellerie
259-W	Wood Turning Establishments	Tours à bois
261	Cabinets/Furniture	Meublerie
286	Printing office	Imprimerie
287-B	Book Binding	Reliure
289	Printing/Publishing incl newspapers	Imprimerie/Publication de
294	Foundry/Castings	Fonderie/Fonte
304-T	Tinsmith	Ferblantier
306	Agricultural Hand Tools	Outils agricoles manuels
306-T	Axes	Haches
307-S	Stoves	Poêles
309	Metal Fabricating, Misc	Fabrication de métaux
311	Agricultural Implements	Instruments aratoires
315	Machinery, Misc	Machinerie/Équipement
315-H	Spinning Wheels	Rouets
315-P	Pumps	Pompes
327	Ship Yards	Navires, Construction de
327-M	Ship Material	Appareaux de navire
328	Boat Building	Chaloupes, Construction
329	Carriage Making	Carrosserie
329-P	Wheels (* and other parts)	Roues
351-B	Brick/Tile Making	Briqueterie/Tuilerie
351-P	Pottery	Poterie
353	Stone/Marble Establishments	Marbrerie
358-L	Lime Kilns	Fours à chaux
365	Oil Refineries	Épuration de l'huile
374	Drugs	Drogues
376	Soap/Candle Making	Savonneries/Chandelleries
378-P	Pot/Pearl Asheries	Potasseries
392	Jeweler/Watchmaker	Bijoutier/Horloger
421-C	Carpenter/Joiner (buildings)	Charpentier (bâtiments)
421-D	Painter/Glazier	Peintre en bâtiments
893	Photographic galleries	Photographies
896	Blacksmithing	Forges

The SIC codes were generalized into the 26 Major Industry Groups (or SECs) that were also coded for each record (Table 2). This table also reflects the inclusion by the 1871 census enumerators of a wider range of industrial activities and processes than would be defined as manufacturing industry today. Eighty-six per cent of the establishments are classified in the Major Group 5 for Manufacturing Industry, with SIC codes between 101 and 399, accounting for 95 per cent of the total value of industrial output in 1871.

Table 2  
**STANDARD INDUSTRIAL CLASSIFICATION:  
MAJOR GROUPS AND SIC CODES**

<b>Major Group SEC</b>	<b>SIC codes</b>
Division 1 Agricultural Services	021-029
Division 2 Forestry	031-039
Division 3 Fishing	041-049
Division 4 Mines, Salt Wells etc	051-099
<b>Division 5 Manufacturing Industries</b>	
5.01 Food and Beverages	101-109
5.02 Tobacco Products	151-159
5.04 Leather Industries	171-179
5.05 Textile Industries	181-189
5.06 Knitting Mills	231-239
5.07 Clothing Industries	241-249
5.08 Wood Industries	251-259
5.09 Furniture Industries	261-269
5.10 Paper Industries	271-279
5.11 Printing and Publishing	281-289
5.12 Primary Metal Industries	291-299
5.13 Metal Fabricating	301-309
5.14 Machinery Industries	311-319
5.15 Transportation Equipment	321-329
5.17 Non-metallic Minerals	351-359
5.18 Petroleum & Coal Products	361-369
5.19 Chemical Industries	371-379
5.20 Miscellaneous Manufactg	391-399
Division 6 Construction Industry	401-499
Division 7 Gas and Water Utilities	572-579
Division 8 Trade (incl repair)	601-699
Division 10 Personal/business services	861-899

Using the SIC and geographical codes, data for individual establishments can be aggregated in all sorts of ways. In the sample records and tables presented in this report, we use the same variable names as in the CANIND71 database. They are explained in Table 3.



Table 3  
VARIABLE NAMES IN CANIND71 DATABASE

Abbreviated code names for variables in the CANIND71 database are used in various tables in this report. A brief explanation of each code name follows:

AVWAGE:	Average monthly wage per worker in a firm, place or type of industry.
CDID:	Census district number used in 1871 census.
CDISTRIC:	Census district name used in 1871 census.
CED:	Census enumerator's division, a small part of a census district.
COMMENTS:	Additional remarks or comments for a firm entered in manuscript schedule.
EMPBOY:	Boys (males under 16 years) employed in industrial activity.
EMPGIRL:	Girls employed (females under 16 years) in industrial activity.
EMPMEN:	Men (males over 16 years) employed in industrial activity.
EMPWOM:	Women (females over 16 years) employed in industrial activity.
FIXCAP:	Value of fixed capital reported by proprietors.
FLOCAP:	Value of floating or working capital reported by proprietors.
FORCE:	Units (in "horse power" equivalents) of non-manual power reported by proprietors.
MONTH:	Number of working months in year.
OBSERV:	Observation, unit or record in a database; in the case of CANIND71 means individual industrial establishment.
PROD1:	Named type of product, first to Nth, as numbered.
PROPRIOR:	Name of proprietor as stated in census schedules.
PQUANT1:	Quantity of named product, first to Nth, as numbered.
PUNIT1:	Unit of measurement of named product, first to Nth, as numbered.
PVALUE1:	Value of named product, first to Nth, as numbered
RAWMAT1:	Named type of raw material, first to Nth, as numbered.
RQUANT1:	Quantity of named raw material, first to Nth, as numbered.
RUNIT1:	Unit of measurement of named raw material, first to Nth, as numbered.
RVALUE1:	Value of named raw material, first to Nth, as numbered.
SEC:	Major industry group, derived from combinations of SIC codes.
SIC:	Standard Industrial Classification.
SUMPROC:	Value of industrial production (\$).
SUMRAWC:	Value of raw materials used in industry (\$).
TOTEMP:	Total number of employees, the sum of EMPMEN, EMPWOM, EMPBOY and EMPGIRL.
TYPEEST:	Type of establishment as stated by enumerator in census schedules.
TYPEPOW:	Type of power reported: steam, water, horse, W/S (water/steam).
VADD:	Value added in manufacturing (\$) = production \$ - raw materials \$.
WAGES:	Wages paid to industrial workers (\$).

## ACKNOWLEDGEMENTS

Between 1982 and 1990, the CANIND71 Project based in the Department of Geography of the University of Guelph, computerized the full data for some 45,000 industrial establishments that were enumerated in Canada's first national census in 1871. We appreciate the shelter and support provided to the project by the Department of Geography. Creation and documentation of the CANIND71 database were substantially assisted by several grants from the Social Sciences and Humanities Research Council of Canada between 1985 and 1989. The most substantial of these were Grants 482-87-0010 and 482-88-0010 to Elizabeth Bloomfield as principal investigator. In a new phase of the project, computer method, led by Gerald Bloomfield and supported by SSHRCC funds, computer methods of mapping the historical data are being developed.

The interest and support of all who have assisted with this project are gratefully acknowledged. Janine Grant, Barbara Sibley, Jane Turner, Jane Darch and Stephen Bellinger worked for the project for significant periods, and the quality of the final database owes much to their careful and thorough work. Peter McCaskell, first as programmer-analyst in the Department of Geography and then from the University's Computing Services, played an essential role in database management and programming through all phases of the project. Mario Finoro, chief technician of the Department of Geography, has assisted in the acquisition, setting up and maintenance of the equipment. The computer maps in this series are the work of Larry Laliberté, while the graphs of industrial structure were produced in final form by Marie Puddister.

Elizabeth and Gerald Bloomfield

## HASTINGS COUNTY INDUSTRIES, 1871

Hastings County was less industrialized than most other parts of the province, the mean value of industrial production per capita (\$62.69) being somewhat under the mean for Ontario (\$74.00). The average number of employees per industrial establishment was only 3.8 in Hastings compared with 4.4 in Ontario as a whole, and the mean value of output per establishment was also significantly lower -- \$3,976. compared with \$5,516.

The county's economic landscape combined several zones of development from Belleville and other early settlements around the Bay of Quinte to the Precambrian Shield that constrained farm settlement in the north. The only railway, the Grand Trunk line, ran close to the lakeshore. Much of Hastings County was still part of Ontario's pioneer fringe in 1871, its average rural population density of only 17.5 persons per square mile was only one quarter that of the most closely settled townships of southern Ontario.<sup>10</sup>

### Census and Municipal Units

Census Districts were defined to match federal electoral districts rather than counties in 1871. However, the component Census Sub-Districts usually matched the smaller municipal units of townships, towns, villages or city wards. Hastings County was divided among the three Census Districts of Hastings West (containing Sidney Township, the county town of Belleville and the village of Trenton), Hastings East (with three townships) and Hastings North (with all the county's northern townships grouped in nine census sub-districts as well as the village of Stirling). The Census Sub-Districts of Hastings County are shown in Figure 1 and their basic statistics of area (sq mls), population (pop), industrial establishments (est) and industrial employees (empl) are set out in Table 4. Several CSDs, especially in the less developed interior were defined to include more than one township.

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<sup>10</sup> A full bibliography of the historical development of industry in the county and its localities cannot be given here, but items relevant to the period are:

Boyce, Gerald E., Historic Hastings (Belleville: Hastings County Council, 1967).

Jarrett, Thomas, The evolution of Trenton, Ontario, 1813-1912 (1913).

Mika, Nick and Helga Mika, Historic Belleville (Belleville: Mika, 1977).

Mikel, William C., City of Belleville history (Picton, 1943).

Plumpton, Mary G., The rambling river: a history of Thurlow Belleville: Thurlow Town Council, 1967).

The information contained in this report about proprietors of industrial establishments in 1871 may be related to the valuable index of all household heads provided in Index to the 1871 Census of Ontario: Hastings-Prince Edward (Toronto: Ontario Genealogical Society, 1991).



Table 4  
HASTINGS COUNTY: CENSUS DISTRICTS AND SUB-DISTRICTS, 1871

CDID	CENSUS SUB-DISTRICT		sq mls	pop	est	empl
** CENSUS DISTRICT 0060: HASTINGS WEST						
0060	A	SIDNEY TOWNSHIP	111.67	5264	91	350
0060	B	TRENTON VILLAGE	1.26	1796	34	281
0060	C	BELLEVILLE TOWN	2.32	7305	102	886
** CENSUS DISTRICT 0061: HASTINGS EAST						
0061	A	THURLOW TOWNSHIP	94.03	5186	60	278
0061	B	TYENDINAGA TOWNSHIP	147.89	7573	88	550
0061	C	HUNGERFORD TOWNSHIP	150.13	4633	90	179
** CENSUS DISTRICT 0062: HASTINGS NORTH						
0062	A	RAWDON TOWNSHIP	107.42	3688	74	98
0062	B	STIRLING VILLAGE	1.56	779	42	106
0062	C	HUNTINGDON TOWNSHIP	85.94	2853	62	78
0062	D	MARMORA/LAKE TOWNSHIPS	214.56	1699	34	63
0062	E	MADOC TOWNSHIP	107.81	3479	91	151
0062	F	ELZEVIR/... TOWNSHIPS	215.59	1393	32	90
0062	G	TUDOR/... TOWNSHIPS	369.11	1055	19	29
0062	H	CARLOW/MAYO TOWNSHIPS	127.08	285	3	4
0062	I	FARADAY/... TOWNSHIPS	194.87	446	4	4
0062	J	HERSCHEL/... TOWNSHIPS	406.20	930	9	13

While most industrial activity was located in incorporated urban centres, some was also dispersed in smaller central places scattered through the rural areas. The census manuscript schedules do not specify location in such smaller, unincorporated places, but it can be useful when comparing the census data with information from other sources to know which hamlets and villages were included in particular Census Sub-Districts. A summary is presented in Table 5.<sup>11</sup> The largest of the unincorporated villages were Frankford (population about 900), Madoc (about 800), Shannonville (about 700), Cannifton and Tweed (each about 600) and Mill Point (later renamed Deseronto; about 500).

#### Location and Distribution

The county was very rural in its settlement and economy: only one in five of its total population of 48,364 lived in Belleville (7,305) or the smaller incorporated villages of Trenton (1,796) or Stirling (779). Industrial establishments in these three centres accounted for more than two-fifths of the county's total industrial output. Among the rural townships, Sidney, Thurlow and Tyendinaga had the most impressive industrial statistics. Sidney contained the unincorporated village of Frankford, Thurlow the village of Cannifton, and Tyendinaga the villages of Mill Point and Shannonville.

<sup>11</sup> For a more detailed discussion of the location of smaller villages and hamlets in relation to the 1871 Census units, see G.T. Bloomfield, Ontario Central Places in 1871: A Gazetteer Compiled from Contemporary Sources (CANIND71 Research Report 13, 1990).

Table 5: HASTINGS COUNTY: CENTRAL PLACES, 1871

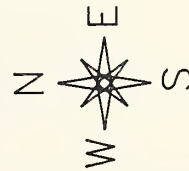
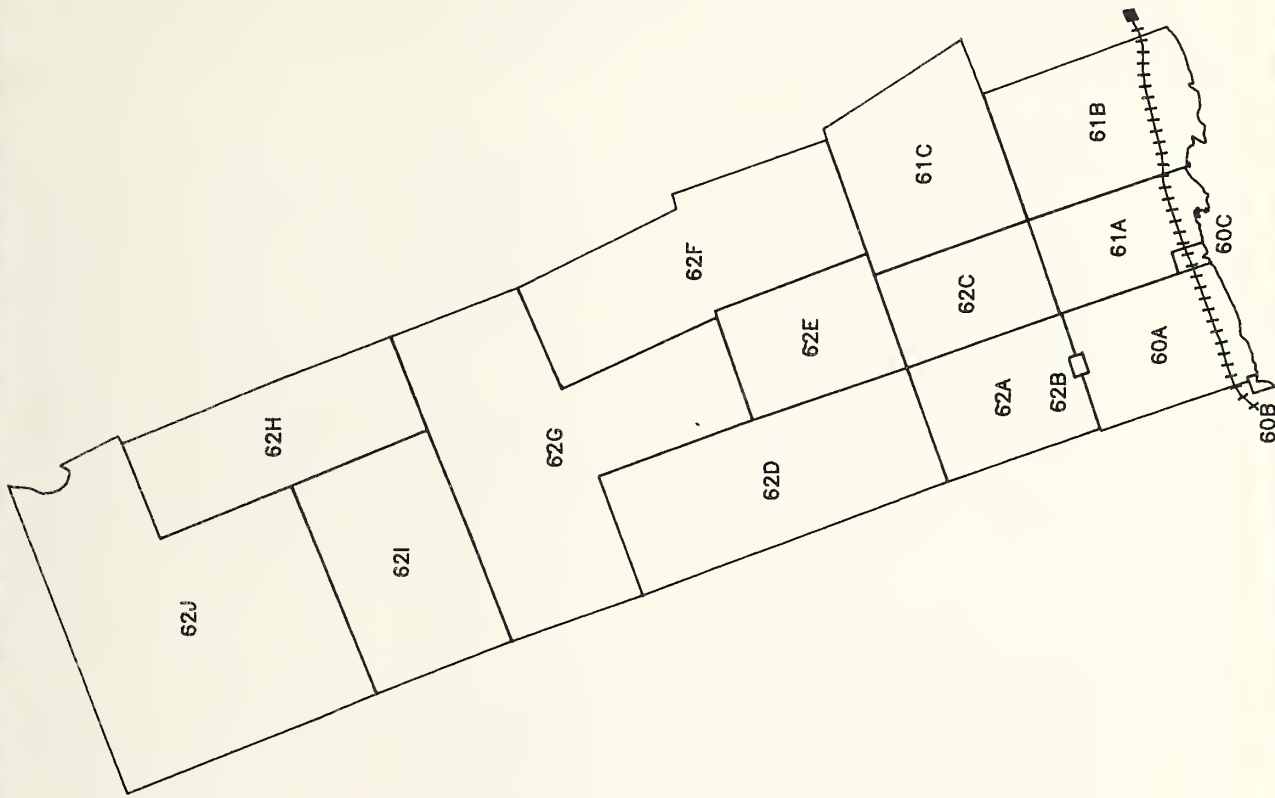
<u>Place</u>	<u>Population</u>	<u>Township</u>	<u>CSD</u>	<u>Sources</u>	<u>Lat.</u>	<u>Long.</u>
BAILEY'S CORNERS <i>later Shanick (C2)</i>	.	Marmora/Lake	62D	D	44 36	77 42
BANNOCKBURN <i>also known as Mumby's Mills</i>	100	Madoc	62E	D L P	44 39	77 33
BELLEVILLE	7305	Belleville T	60C	D L B	44 10	77 23
BLESSINGTON	270	Tyendinaga	61B	L P	44 16	77 16
BOGART	160	Hungerford	61C	L P	44 30	77 15
BOULTER	50	Carlow/Mayo	62H	L P	45 13	77 38
BRIDGEWATER <i>formerly Troy; later Actinolite</i>	450	Elzevir/...	62F	D L M	44 33	77 20
BRINKWORTH <i>also known as Brinkwater</i>	100	Rawdon	62A	D L P	44 18	77 38
CANNIFTON	600	Thurlow	61A	D L P	44 12	77 23
COOPER <i>also known as Allen Settlement</i>	100	Madoc	62E	P	44 39	77 28
ELDORADO	100	Madoc	62E	D L P	44 35	77 31
FOXBORO <i>formerly Smithville</i>	150	Thurlow	61A	L P	44 15	77 26
FRANKFORD <i>formerly Cold Creek, Manchester (C2), Scott's Mill</i>	900	Sidney	60A	D L M	44 12	77 36
GEORGETOWN 2	180	Hungerford	61C	L	44 29	77 18
HALLOWAY <i>on boundary with Sidney Tp</i>	100	Thurlow	61A	D L P	44 17	77 28
HAROLD	150	Rawdon	62A	L P	44 23	77 35
HAYDEN'S CORNERS	.	Thurlow	61A	D	44 13	77 23
HUNGERFORD <i>post office later called Parkhouse</i>	.	Hungerford	61C	D	44 32	77 12
HUNTINGDON	.	Huntingdon	62C	D	44 25	77 28
IVANHOE <i>post office formerly St George Hastings, St George Huntingdon</i>	200	Huntingdon	62C	D L P	44 24	77 28
KELLAR'S BRIDGE	.	Madoc	62E	D	44 37	77 32
L'AMABLE <i>also known as Green Corners</i>	100	Dungannon	62I	L P	45 01	77 48
LATTA'S MILLS	70	Thurlow	61A	L	44 18	77 20
LIMELAKE	50	Hungerford	61C	D L P	44 24	77 09
LONSDALE <i>formerly Lasier's Mills (C2), Murkinson's Mills (C)</i>	150	Tyendinaga	61B	D L P	44 16	77 08
MADOC <i>formerly Hastings, MacKenzie's Mills (M)</i>	800	Madoc	62E	D L B	44 35	77 30
MALONE <i>formerly Powell's Mills</i>	300	Marmora/Lake	62D	L P	44 34	77 36
MARLBANK <i>formerly Allan Mills</i>	40	Tyendinaga	61B	D L P	44 26	77 06
MARMORA	250	Marmora/Lake	62D	D L P	44 29	77 41

MARYSVILLE	100	Tyendinaga	61B	L P	44 14	77 06
MAYNOOTH	10	Monteagle	62J	D L P	45 14	77 57
<i>formerly Doyle's Corners; on boundary with Wicklow Tp</i>						
MELROSE 2	100	Tyendinaga	61B	D L P	44 15	77 12
MILL POINT	500	Tyendinaga	61B	D L P	44 12	77 03
<i>formerly Bowen, Culbertson's Wharf; later Deseronto</i>						
MILLBRIDGE	100	Tudor/...	62G	D L P	44 41	77 36
<i>formerly Jordan</i>						
MILLTOWN	200	Tyendinaga	61B	D L	44 12	77 12
<i>also known as Smith's Mills (L)</i>						
MOIRA	200	Huntingdon	62C	L P	44 21	77 24
MONEYMORE	40	Hungerford	61C	L P	44 23	77 15
MYREHALL	40	Tyendinaga	61B	L P	44 20	77 14
<i>also known as Howe's Corners (L)</i>						
PLAINFIELD	200	ThurLOW	61A	D L P	44 17	77 21
PURDY	100	Bangor	62J	L P	45 20	77 44
QUEENSBOROUGH	100	Elzevir/...	62F	D L P	44 35	77 25
<i>also spelled Queensboro; on boundary with Madoc Tp</i>						
READ	50	Tyendinaga	61B	D L P	44 18	77 12
ROSLIN	200	ThurLOW	61A	D L P	44 21	77 20
<i>on boundary with Huntingdon Tp</i>						
RUTLEDGEVILLE	80	Huntingdon	62C	L	44 23	77 29
<i>formerly Broadville (L)</i>						
SHANICK	150	Marmora/Lake	62D	L P	44 36	77 42
<i>formerly Bailey's Corners</i>						
SHANNONVILLE	700	Tyendinaga	61B	D L M	44 12	77 13
<i>formerly Merchison's Mills (C2), Mohawkwoods (C)</i>						
SMITHVILLE 2	.	ThurLOW	61A	D	44 15	77 26
<i>later Foxboro</i>						
ST OLA	100	Limerick	62G	L P	44 51	77 36
STIRLING	779	Stirling V	62B	D L B	44 18	77 33
STOCO	200	Hungerford	61C	D L P	44 27	77 17
THANET	100	Wollaston	62G	L P	44 52	77 50
THOMASBURG	200	Hungerford	61C	D L P	44 23	77 21
THURLOW	120	ThurLOW	61A	L P	44 11	77 18
<i>formerly Snow Village; later Phillipston</i>						
TRENTON	1796	Trenton V	60B	D L B	44 06	77 35
TWEED	600	Hungerford	61C	D L P	44 29	77 19
<i>formerly Hungerford Mills</i>						
TYENDINAGA	40	Tyendinaga	61B	D L	44 14	77 06
<i>formerly Marysville Station (L)</i>						
UMFRAVILLE	10	Dungannon	62G	L P	44 58	77 48
WALLBRIDGE	100	Sidney	60A	L P	44 13	77 30
WATER MILL	100	Tyendinaga	61B	L	44 17	77 06
<i>formerly Frisell's Mills</i>						



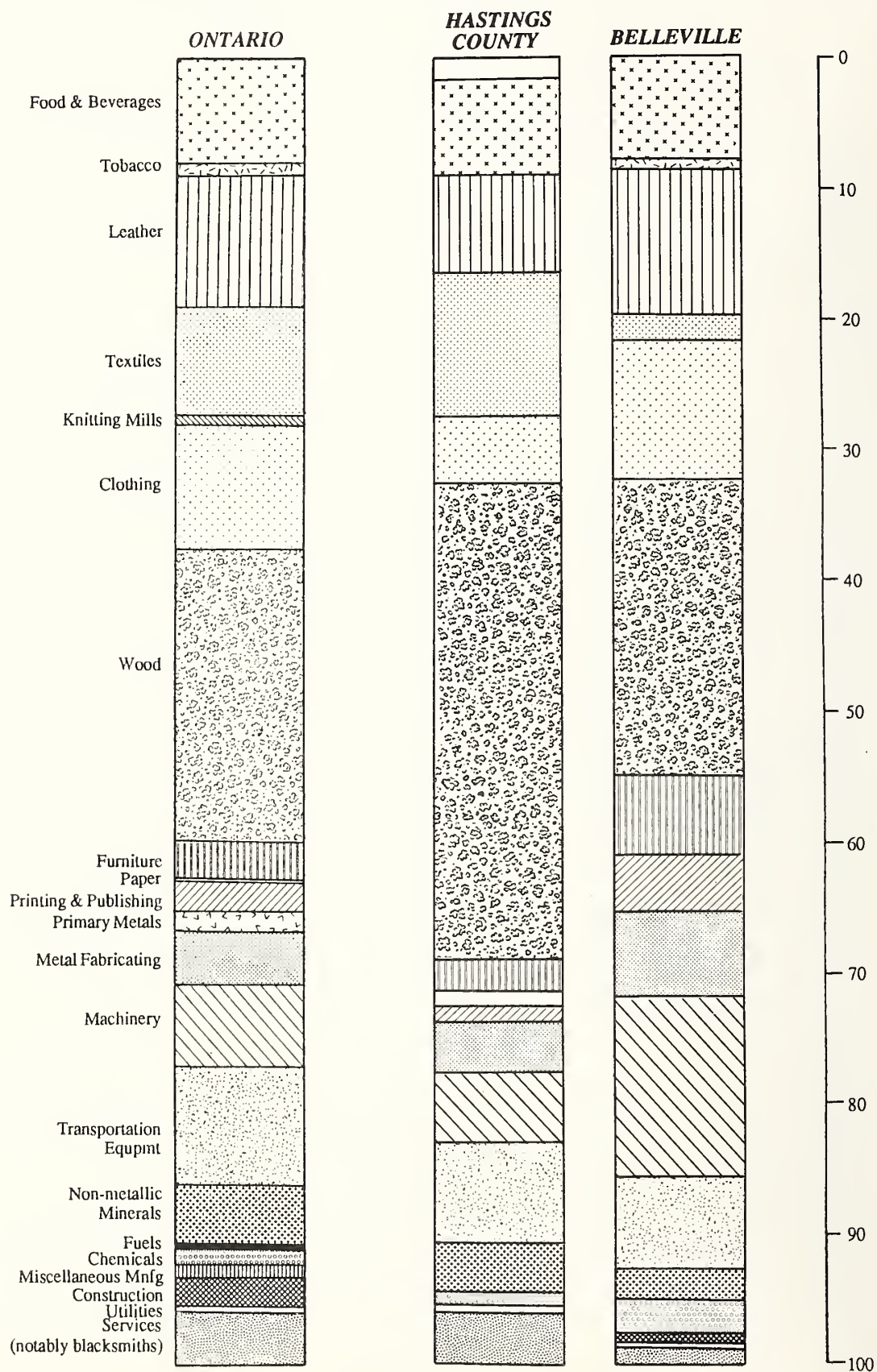
# HASTINGS COUNTY

HASTINGS  
 60A SIDNEY  
 60B TRENTON V  
 60C BELLEVILLE T  
 61A THURLOW  
 61B TYENDINAGA  
 61C HUNGERFORD  
 62A RAWDON  
 62B STIRLING V  
 62C HUNTINGDON  
 62D MARMORA/LAKE  
 62E MADOC  
 62F ELZEVR/...  
 62G TUDOR/...  
 62H CARLOW/MAYO  
 62I FARADAY/...  
 62J HERSCHEL/...



CANIND71

**COMPARATIVE INDUSTRIAL STRUCTURES: Percentages Employed in Major Industry Groups (SECs)**



WELLMAN'S CORNERS	100	Rawdon	62A	D L P	44 20	77 38
WEST HUNTINGDON	50	Huntingdon	62C	D L P	44 21	77 29
YORK RIVER	125	Faraday/...	62I	L P	45 06	77 53
<i>formerly The Branch (C), York Branch (C2), York Mills; later Bancroft</i>						

Note: Lat = Latitude; Long. = Longitude.

Three primary sources were used to generate this list of places for 1871:

R.G. Dun and Co.'s Mercantile Agency Reference Book (D);

Lovell's Canadian Dominion Directory for 1871 (L);

Canadian Almanac and Repository of Useful Knowledge 1871 (P for ordinary post office, M for post office that could issue money orders, B for post office with savings bank function).

As county town and commercial centre, Belleville was not particularly remarkable for its industrial functions. Compared with all Ontario urban centres as to its industrial status in 1871, it ranked below the mean for level of industrialization and lacked any industrial specialization or leading enterprise. In combining below-average industrial employment with a diversified industrial structure not dominated by any particular sector or enterprise, Belleville most resembled Kingston, Stratford, Cobourg and Lindsay among the middle-sized towns and cities of Ontario. It differed from Toronto, Hamilton, St Catharines and Peterborough which all had above-average industrial activity and especially from Ottawa, Brantford, Guelph, Brockville, Galt, Oshawa, Ingersoll and Paris which were specialized in particular sectors as well as highly industrialized.<sup>12</sup> Trenton, on the other hand, was more industrialized and also highly specialized with nearly two in three of its industrial workers employed in sawmilling and wood processing.

### Industry Types

Using the Standard Industrial Classification (SIC) code of each record and the more generalized Major Industry Group (SEC), it is possible to describe and compare the industrial structures of places from whole provinces to local townships and villages. In coding all the industrial establishments of Hastings County, only 58 different basic SIC codes (including suffixes, but trimming compounds) are used. This compares with 101 different basic codes in Wentworth County, 172 in all of Ontario, and 196 in all of Canada.

When Hastings County's industrial structure is compared with that of all Ontario, one finds a mix of industry types that is characteristic of rural areas. Figure 2 has been designed to show these as clearly as possible, using major industry groups (SECs in the database). The unshaded section at the top of the county bar refers to mineral extraction. Wood processing, with an even larger share in Hastings than in Ontario generally, was located outside urban areas and often on the margins of

<sup>12</sup> For analysis of the urban concentration of industry and of differences between specific urban centres, see Elizabeth Bloomfield and G.T. Bloomfield, The Ontario Urban System at the Onset of the Industrial Era (CANIND71 Research Report 3, 1989).



settlement. There was a small concentration of paper-making. Textile production, in which Hastings County had more than the Ontario mean proportion, was usually located in rural areas and small villages. The diagram also illustrates the industrial structure of Belleville separately, showing the relative strength of furniture, printing and publishing, metal fabricating, machinery and chemicals, all sectors which employed at least 1.5 times their shares in the whole province.

### Size of Establishment

Most of the county's industrial establishments were very small craftshops – blacksmiths, tinsmiths, bakers, saddlers, shoemakers, tailors, milliners, weavers and knitters, coopers, carpenters, carriage and wagon makers. Nearly nine in ten workplaces in Hastings County had five or fewer workers, a higher proportion than in Ontario generally. Four large sawmills each employed more than 50 workers, and eight establishments of varied industry types reported between 26 and 50 employees each.

Many industrial establishments had small values of production as well: over 43 per cent of Hastings County's units produced \$500 worth or less of industrial output (the proportion of such small businesses was 26 per cent in Ontario as a whole). Such small establishments accounted for under 3 per cent of the total industrial output of Hastings County. At the other extreme, the five enterprises reporting at least \$50,000 of output (four sawmills and one grain mill) formed under one per cent of all establishments in Hastings County but accounted for over 21 per cent of the total value of production.

Two Hastings sawmilling enterprises ranked among Canada's industrial leaders in 1871, calculated as those in the top one per cent in all four measures of number of employees, value of fixed capital investment, gross value of production and value added in manufacturing.<sup>13</sup> The Gilmour Company's Trenton sawmill employed 170 men and a 110-horse-power steam engine in producing \$220,000 worth of sawn lumber. H.B. Rathbun and Sons reported 311 men in their sawmill at Mill Point (later renamed Deseronto), where they also operated a shipyard as well as smaller establishments. Both these establishments were parts of larger business empires operating other mills. Page's sawmill in Sidney Township and Rathbun's Belleville mill ranked in the top one per cent for three measures but not for fixed capital.

Manuscript details for the 29 Hastings County enterprises that reported either at least 25 employees or at least \$25,000 value of output are reproduced as sample records in this report. The selection includes two cheese factories, twelve grain mills, one textile mill, seven sawmills, a furniture factory, an axe factory, three establishments manufacturing agricultural machinery, a shipyard and a brick works.

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<sup>13</sup> See Elizabeth Bloomfield and G.T. Bloomfield, Patterns of Canadian Industry in 1871: An Overview Based on the First Census of Canada (CANIND71 Research Report 12, 1990). The top one per cent of industrial enterprises in 1871 were defined as those meeting all the following conditions: value of output of at least \$76,000, employment of at least 51 workers, fixed capital of at least \$28,500, and added value of at least \$28,500. For a more detailed study of leading industrial businesses in Ontario in 1871, defined according to slightly different criteria, see Industrial Leaders: The Largest Manufacturing Firms (CANIND71 Research Report 8, 1990).

proprior: GRAHAM & KETCHUM ?  
 cdid: 0060 ced: A-1  
 sec: 5.01 sic: 104  
 fixcap: 5300 floccap: 9000  
 empmen: 10 empwom: 1  
 totemp: 11 wages: 3100  
 sumrawc: 25422  
 rawmat1: MILK runit1: TON  
 rawmat2: CHEESE FURNISHINGS runit2:  
 prod1: CHEESE punit1: TON  
 typeest: CHEESE FACTORY  
 cdistrict: HASTINGS WEST  
 month: 8  
 typepow: .  
 empboy: .  
 avwage: 35.23 per worker/month  
 sumproc: 28680  
 rquant1: 1208.5  
 rquant2: .  
 pquant1: 125  
 refnum: 16173  
 csd: SIDNEY  
 prop: .  
 force: .  
 empgirl: .  
 vadd: 3258  
 rvalue1: 24171  
 rvalue2: 1251  
 pvalue1: 28680  
 comments: JOINT STOCK COMPANY; VALUE OF RAW MATERIALS HERE IS RECKONED AT WHAT THEY COULD AFFORD TO PAY IT, BUT NONE OF IT IS PURCHASED; EACH STOCK HOLDER FURNISHED HIS OWN MILK, PROFITS ARE FROM CHEESE

proprior: LAWRENCE ROBERT  
 cdid: 0061 ced: C-3  
 sec: 5.01 sic: 104  
 fixcap: 2000 floccap: 1500  
 empmen: 5 empwom: 2  
 totemp: 7 wages: 1092  
 sumrawc: 21000  
 rawmat1: MILK runit1: LB  
 prod1: CHEESE punit1: LB  
 typeest: CHEESE FACTORY  
 cdistrict: HASTINGS EAST  
 month: 7  
 typepow: HORSE  
 empboy: .  
 avwage: 22.29 per worker/month  
 sumproc: 32000  
 rquant1: 2800000  
 pquant1: 320000  
 refnum: 16568  
 csd: HUNGERFORD  
 prop: .  
 force: 1  
 empgirl: .  
 vadd: 11000  
 rvalue1: 21000  
 pvalue1: 32000

proprior: MACDOUGALL DUGALD  
 cdid: 0062 ced: B  
 sec: 5.01 sic: 105  
 fixcap: 8000 floccap: 1000  
 empmen: 4 empwom: .  
 totemp: 4 wages: 1500  
 sumrawc: 45000  
 rawmat1: GRAIN, ASSORTED runit1: BU  
 prod1: FLOUR punit1: BBL  
 prod2: MEAL/CHOP punit2: LB  
 typeest: FLOUR/GRIST MILL  
 cdistrict: HASTINGS NORTH  
 month: 12  
 typepow: WATER  
 empboy: .  
 avwage: 31.25 per worker/month  
 sumproc: 63000  
 rquant1: 50000  
 pquant1: 9000  
 pquant2: 750000  
 refnum: 16668  
 csd: STIRLING V  
 prop: .  
 force: 35  
 empgirl: .  
 vadd: 18000  
 rvalue1: 45000  
 pvalue1: .  
 pvalue2: .

proprior: THOMPSON DANIEL  
 cdid: 0062 ced: F-2  
 sec: 5.01 sic: 105  
 fixcap: 2000 floccap: 800  
 empmen: 3 empwom: .  
 totemp: 3 wages: 600  
 sumrawc: 25000  
 rawmat1: GRAIN, ASSORTED runit1: BU  
 prod1: FLOUR/MEAL punit1:  
 typeest: GRIST MILL  
 cdistrict: HASTINGS NORTH  
 month: 10  
 typepow: WATER  
 empboy: .  
 avwage: 20.00 per worker/month  
 sumproc: 30000  
 rquant1: 40000  
 pquant1: .  
 refnum: 16919  
 csd: ELKEVIR/...  
 prop: .  
 force: 18  
 empgirl: .  
 vadd: 5000  
 rvalue1: 25000  
 pvalue1: 30000

proprior: BARNUM SIMON  
 cdid: 0060 ced: A-3  
 sec: 5.01 sic: 105  
 fixcap: . floccap: 1200  
 empmen: 2 empwom: .  
 totemp: 2 wages: 900  
 sumrawc: 15000  
 rawmat1: GRAIN runit1: BU  
 prod1: FLOUR punit1: BBL  
 prod2: MEAL punit2: BBL  
 typeest: GRIST MILL  
 cdistrict: HASTINGS WEST  
 month: 12  
 typepow: WATER  
 empboy: .  
 avwage: 37.50 per worker/month  
 sumproc: 32000  
 rquant1: 19000  
 pquant1: 4000  
 pquant2: 4000  
 refnum: 16204  
 csd: SIDNEY  
 prop: .  
 force: .  
 empgirl: .  
 vadd: 17000  
 rvalue1: 15000  
 pvalue1: 24000  
 pvalue2: 8000

proprior: DIAMOND JOHN W  
 cdid: 0060 ced: C-4  
 sec: 5.01 sic: 105  
 fixcap: 10000 floccap: 1000  
 empmen: 5 empwom: .  
 totemp: 5 wages: 1600  
 sumrawc: 30000  
 rawmat1: GRAIN, WHEAT, COARSE runit1: BU  
 prod1: FLOUR/MEAL, ASSORTED  
 comments: HALF OF THE AMOUNT IS CUSTOM WORK  
 typeest: FLOUR MILL  
 cdistrict: HASTINGS WEST  
 month: 10  
 typepow: WATER  
 empboy: .  
 avwage: 32.00 per worker/month  
 sumproc: 32000  
 rquant1: 48000  
 pquant1: .  
 refnum: 16341  
 csd: BELLEVILLE T  
 prop: .  
 force: 20  
 empgirl: .  
 vadd: 2000  
 rvalue1: 30000  
 pvalue1: 32000



proprior: LINGHAM WILLIAM ?	typeest: GRIST MILL	refnum: 16360
cdid: 0061 ced: A-2	cdistric: HASTINGS EAST	csd: THURLOW
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 8000 floccap: 5000	typepow: WATER	force: 30
empmen: 5 empwom: .	empboy: .	empgirl: .
totemp: 5 wages: 1825	avwage: 30.42 per worker/month	
sumrawc: 36468	sumproc: 39654	vadd: 3186
rawmat1: GRAIN,WHEAT runit1: BU	rquant1: 27375	rvalue1: 34218
rawmat2: GRAIN,BUCKWHEAT runit2: BU	rquant2: 500	rvalue2: 250
rawmat3: GRAIN,OAT runit3: BU	rquant3: 1000	rvalue3: 500
rawmat4: PEAS runit4: BU	rquant4: 2000	rvalue4: 1500
prod1: FLOUR punit1: CWT	pquant1: 12318	pvalue1: 36954
prod2: FEED punit2: LB	pquant2: 25000	pvalue2: 300
prod3: FEED punit3: LB	pquant3: 30000	pvalue3: 600
prod4: FEED punit4: LB	pquant4: 120000	pvalue4: 1800
proprior: CANNIFF JAMES	typeest: FLOUR/GRIST MILL	refnum: 16353
cdid: 0061 ced: A-1	cdistric: HASTINGS EAST	csd: THURLOW
sec: 5.01 sic: 105	month: 11	prop:
fixcap: 15000 floccap: 4000	typepow: WATER	force: 35
empmen: 3 empwom: .	empboy: .	empgirl: .
totemp: 3 wages: 850	avwage: 25.76 per worker/month	
sumrawc: 30000	sumproc: 32000	vadd: 2000
rawmat1: GRAIN,ASSORTED runit1: BU	rquant1: 23800	rvalue1: 30000
prod1: FLOUR punit1: BBL	pquant1: 5000	pvalue1: 30000
prod2: FEED punit2:	pquant2: .	pvalue2: 2000
proprior: CORBY HARRY	typeest: GRIST MILL	refnum: 16367
cdid: 0061 ced: A-2	cdistric: HASTINGS EAST	csd: THURLOW
sec: 5.01 sic: 105	month: 10	prop:
fixcap: 12000 floccap: 15000	typepow: WATER	force: 60
empmen: 4 empwom: .	empboy: .	empgirl: .
totemp: 4 wages: 1100	avwage: 27.50 per worker/month	
sumrawc: 25000	sumproc: 37500	vadd: 12500
rawmat1: GRAIN,ASSORTED runit1: BU	rquant1: 25000	rvalue1: 25000
prod1: FLOUR/MEAL/FEED punit1: LB	pquant1: 1250000	pvalue1: 37500
proprior: SMITH DAVID	typeest: GRIST/FLOUR MILL	refnum: 16418
cdid: 0061 ced: B-1	cdistric: HASTINGS EAST	csd: TYENDINAGA
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 8000 floccap: 5000	typepow: WATER	force: 36
empmen: 3 empwom: .	empboy: 2	empgirl: .
totemp: 5 wages: 900	avwage: 15.00 per worker/month	
sumrawc: 24000	sumproc: 32000	vadd: 8000
rawmat1: GRAIN,ASSORTED runit1: BU	rquant1: 30000	rvalue1: 24000
prod1: FLOUR/MEAL/FEED punit1: LB	pquant1: 400000	pvalue1: 32000
proprior: LAZIER STEPHEN A ?	typeest: GRIST/FLOUR MILL	refnum: 16419
cdid: 0061 ced: B-1	cdistric: HASTINGS EAST	csd: TYENDINAGA
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 8000 floccap: 5000	typepow: WATER	force: 35
empmen: 2 empwom: .	empboy: .	empgirl: .
totemp: 2 wages: 800	avwage: 33.33 per worker/month	
sumrawc: 24000	sumproc: 32000	vadd: 8000
rawmat1: GRAIN,ASSORTED runit1: BBL	rquant1: 30000	rvalue1: 24000
prod1: FLOUR/MEAL/FEED punit1: LB	pquant1: 1400000	pvalue1: 32000
proprior: WALBRIDGE F & EARL T	typeest: GRIST/FLOUR MILL	refnum: 16421
cdid: 0061 ced: B-1	cdistric: HASTINGS EAST	csd: TYENDINAGA
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 10000 floccap: 5000	typepow: WATER	force: 70
empmen: 4 empwom: .	empboy: .	empgirl: .
totemp: 4 wages: 900	avwage: 18.75 per worker/month	
sumrawc: 24000	sumproc: 32000	vadd: 8000
rawmat1: GRAIN runit1: BU	rquant1: 30000	rvalue1: 24000
prod1: FLOUR/MEAL/FEED punit1: LB	pquant1: 400000	pvalue1: 32000



proprior: APPLEBY & GULLEY	typeest: GRIST/FLOUR MILL	refnum: 16453
cdid: 0061 ced: B-2	cdistric: HASTINGS EAST	csd: TYENDINAGA
sec: 5.01 sic: 105	month: 12	prop: 50
fixcap: 8000 floccap: 2000	typepow: WATER	force: 50
empmen: 2 empwom: .	empboy: .	empgirl: .
totemp: 2 wages: 800	avwage: 33.33 per worker/month	vadd: 10000
sumrawc: 20000	sumproc: 30000	rvalue1: 20000
rawmat1: GRAIN, ASSORTED runit1: BU	rquant1: 30000	pvalue1: 30000
prod1: FLOUR/MEAL/FEED punit1: LB	pquant1: 1500000	

proprior: EASTERBROOK GEORGE	typeest: GRIST MILL	refnum: 16561
cdid: 0061 ced: C-3	cdistric: HASTINGS EAST	csd: HUNGERFORD
sec: 5.01 sic: 105	month: 12	prop: 40
fixcap: 9450 floccap: 3000	typepow: WATER	force: 40
empmen: 3 empwom: .	empboy: .	empgirl: .
totemp: 3 wages: 1000	avwage: 27.78 per worker/month	vadd: 2450
sumrawc: 33000	sumproc: 35450	rvalue1: .
rawmat1: GRAIN, WHEAT runit1: BU	rquant1: 13000	rvalue2: .
rawmat2: GRAIN, OTHER runit2: BU	rquant2: 23000	pvalue1: 35450
prod1: FLOUR/FEED punit1: LB	pquant1: 1772500	

proprior: ROSS JOHN	typeest: CLOTH FACTORY	refnum: 16450
cdid: 0061 ced: B-2	cdistric: HASTINGS EAST	csd: TYENDINAGA
sec: 5.05 sic: 182	month: 12	prop: 50
fixcap: 10000 floccap: 9000	typepow: WATER	force: 50
empmen: 8 empwom: 16	empboy: .	empgirl: .
totemp: 24 wages: 4000	avwage: 13.89 per worker/month	vadd: 12000
sumrawc: 13000	sumproc: 25000	rvalue1: 13000
rawmat1: YARN, WOOL, COTTON runit1: LB	rquant1: 50000	pvalue1: 25000
prod1: CLOTH, ASSORTED punit1: YD	pquant1: 35000	

proprior: PAGE A S & CO	typeest: SAW MILL	refnum: 16131
cdid: 0060 ced: A-1	cdistric: HASTINGS WEST	csd: SIDNEY
sec: 5.08 sic: 251	month: 7	prop: 120
fixcap: 20000 floccap: 150000	typepow: STEAM	force: 120
empmen: 120 empwom: .	empboy: 5	empgirl: .
totemp: 125 wages: 30000	avwage: 34.29 per worker/month	vadd: 35000
sumrawc: 105000	sumproc: 140000	rvalue1: 105000
rawmat1: LOGS runit1: CSL	rquant1: 70000	pvalue1: 140000
prod1: LUMBER punit1: FT BM	pquant1: 14000	
comments: CROWN LAND STANDARD PIECES		

proprior: RATHBUN H B & SON	typeest: SAW MILL	refnum: 16412
cdid: 0061 ced: B-1	cdistric: HASTINGS EAST	csd: TYENDINAGA
sec: 5.08 sic: 251	month: 8	prop: 150
fixcap: 50000 floccap: 160000	typepow: STEAM	force: 150
empmen: 237 empwom: .	empboy: 74	empgirl: .
totemp: 311 wages: 39250	avwage: 15.78 per worker/month	vadd: 62854
sumrawc: 77900	sumproc: 140754	rvalue1: 77900
rawmat1: LOGS runit1: BM	rquant1: 128171	pvalue1: .
prod1: LUMBER punit1: BM	pquant1: 12817123	pvalue2: .
prod2: LATH punit2: PIECE	pquant2: 1966700	pvalue3: .
prod3: HEADINGS, BARREL punit3: PIECE	pquant3: 2060462	pvalue4: .
prod4: FENCE PICKETS punit4: PIECE	pquant4: 520650	

proprior: GILMOUR & CO	typeest: SAW MILL	refnum: 16248
cdid: 0060 ced: B	cdistric: HASTINGS WEST	csd: TRENTON V
sec: 5.08 sic: 251	month: 7	prop: 110
fixcap: 60000 floccap: 160000	typepow: STEAM	force: 110
empmen: 150 empwom: .	empboy: 20	empgirl: .
totemp: 170 wages: 36000	avwage: 30.25 per worker/month	vadd: 66000
sumrawc: 154000	sumproc: 220000	rvalue1: 154000
rawmat1: LOGS runit1: FT	rquant1: 220000	pvalue1: 220000
prod1: LUMBER punit1: FT	pquant1: 22000000	

## CANIND71 SAMPLE RECORDS

proprior: WALBRIDGE FRANCIS	typeest: SAN MILL	refnum: 16422
cdid: 0061 ced: B-1	cdistric: HASTINGS EAST	csd: TYENDINAGA
sec: 5.08 sic: 251	month: 5	prop: .
fixcap: 5000 flocap: 1500	typepow: WATER	force: 80
empmen: 36 empwom: .	empboy: 6	empgirl: .
totemp: 42 wages: 3130	avwage: 14.90 per worker/month	vadd: 9000
sumrawc: 15000	sumproc: 24000	rvalue1: 15000
rawmat1: LOGS runit1: .	rquant1: 15000	pvalue1: 24000
prod1: LUMBER punit1: BM	pquant1: 3000000	
proprior: FLINT & YEAMANS	typeest: SAN MILL	refnum: 16346
cdid: 0060 ced: C-4	cdistric: HASTINGS WEST	csd: BELLEVILLE T
sec: 5.08 sic: 251	month: 1	prop: .
fixcap: 15000 flocap: 8000	typepow: STREAM	force: 125
empmen: 45 empwom: .	empboy: .	empgirl: .
totemp: 45 wages: 2000	avwage: 44.44 per worker/month	vadd: 4000
sumrawc: 6000	sumproc: 10000	rvalue1: 6000
rawmat1: LOGS,PINE runit1: .	rquant1: 6000	pvalue1: 10000
prod1: LUMBER punit1: .	pquant1: 1000000	
comments: MILL RAN ONLY ONE MONTH AND SAWED FOR F WARBRIDGE		
proprior: SUTHERLAND ALEX	typeest: SAN MILL	refnum: 16363
cdid: 0061 ced: A-2	cdistric: HASTINGS EAST	csd: THURLOW
sec: 5.08 sic: 251	month: 8	prop: .
fixcap: 6000 flocap: 2000	typepow: WATER	force: 60
empmen: 30 empwom: .	empboy: .	empgirl: .
totemp: 30 wages: 8000	avwage: 33.33 per worker/month	vadd: 8000
sumrawc: 8000	sumproc: 16000	rvalue1: 8000
rawmat1: LOGS runit1: .	rquant1: 16000	pvalue1: 16000
prod1: LUMBER punit1: .	pquant1: 1600000	
proprior: RATHBUN H B	typeest: SAN/SASH MILL	refnum: 16325
cdid: 0060 ced: C-3	cdistric: HASTINGS WEST	csd: BELLEVILLE T
sec: 5.08 sic: 251/254	month: 7	prop: .
fixcap: . flocap: .	typepow: STREAM	force: .
empmen: 95 empwom: .	empboy: .	empgirl: .
totemp: 95 wages: 17000	avwage: 25.56 per worker/month	vadd: 36000
sumrawc: 45000	sumproc: 81000	rvalue1: 45000
rawmat1: LOGS runit1: .	rquant1: 90000	pvalue1: 81000
prod1: N/G punit1: .	pquant1: 9000000	
comments: ON ISLAND		
proprior: BORNICK LEWIS	typeest: CABINET FACTORY	refnum: 16284
cdid: 0060 ced: C-2	cdistric: HASTINGS WEST	csd: BELLEVILLE T
sec: 5.09 sic: 261	month: 9	prop: .
fixcap: 3000 flocap: 700	typepow: WATER	force: 30
empmen: 25 empwom: 5	empboy: 2	empgirl: .
totemp: 32 wages: 3500	avwage: 12.15 per worker/month	vadd: 19000
sumrawc: 6000	sumproc: 25000	rvalue1: 6000
rawmat1: LUMBER/PAINT/VARNISH/HAIR/CLOTH	rquant1: .	pvalue1: 25000
prod1: FURNITURE,ASSORTED	pquant1: .	
proprior: BURRILL ELLIS	typeest: AXE FACTORY	refnum: 16258
cdid: 0060 ced: C-1	cdistric: HASTINGS WEST	csd: BELLEVILLE T
sec: 5.13 sic: 306-T	month: 12	prop: .
fixcap: 10000 flocap: 9000	typepow: WATER	force: 40
empmen: 25 empwom: .	empboy: .	empgirl: .
totemp: 25 wages: 8000	avwage: 26.67 per worker/month	vadd: 18000
sumrawc: 8000	sumproc: 26000	rvalue1: 8000
rawmat1: IRON/STEEL/COAL/GRINDSTONES runit1: TON	rquant1: 160	pvalue1: 26000
prod1: AXES punit1: DOZ	pquant1: 3000	



proprior: BROWN	G & J	typeest: MACHINE SHOP	refnum: 16259
cdid: 0060	ced: C-1	cdistric: HASTINGS WEST	csd: BELLEVILLE T
sec: 5.14	sic: 311/315	month: 12	prop: 40
fixcap: 50000	flocap: 15000	typepow: STEAM	force: 40
empmen: 40	empwom: .	empboy: 5	empgirl: .
totemp: 45	wages: 11500	avwage: 21.30 per worker/month	vadd: 16000
sumrawc: 19000		sumproc: 35000	rvalue1: 19000
rawmat1: WOOD/IRON/STEEL/COAL/BRASS		rquant1: .	pvalue1: 35000
prod1: MACHINERY, AGRICULTURAL, GENERAL		pquant1: .	

proprior: WALLBRIDGE W H		typeest: IRON FOUNDRY	refnum: 16265
cdid: 0060	ced: C-2	cdistric: HASTINGS WEST	csd: BELLEVILLE T
sec: 5.14	sic: 311/315-B	month: 12	prop: 45
fixcap: 25000	flocap: 20000	typepow: STEAM	force: 45
empmen: 25	empwom: .	empboy: .	empgirl: .
totemp: 25	wages: 10000	avwage: 33.33 per worker/month	vadd: 25000
sumrawc: 5000		sumproc: 30000	rvalue1: 5000
rawmat1: IRON/LUMBER	runit1: .	rquant1: .	pvalue1: 30000
prod1: MACHINES, MOWING, THRESHING/ENGINES, STEAM			

proprior: WALKER JAMES M & CO		typeest: FOUNDRY	refnum: 16279
cdid: 0060	ced: C-2	cdistric: HASTINGS WEST	csd: BELLEVILLE T
sec: 5.14	sic: 311/315	month: 12	prop: 15
fixcap: 10000	flocap: 2500	typepow: STEAM	force: 15
empmen: 31	empwom: .	empboy: .	empgirl: .
totemp: 31	wages: 10000	avwage: 26.88 per worker/month	vadd: 23500
sumrawc: 6500		sumproc: 30000	rvalue1: 6500
rawmat1: LUMBER/IRON/STEEL	runit1: .	rquant1: .	pvalue1: 30000
prod1: PLOUGHS/MACHINES, THRESHING, WOODWORKING/MILL WORK/SUNDRIES			

proprior: RATHBUN H B & SON		typeest: SHIP YARD	refnum: 16413
cdid: 0061	ced: B-1	cdistric: HASTINGS EAST	csd: TYENDINAGA
sec: 5.15	sic: 327	month: 12	prop: .
fixcap: 12000	flocap: 10000	typepow: .	force: .
empmen: 30	empwom: .	empboy: .	empgirl: .
totemp: 30	wages: 16200	avwage: 45.00 per worker/month	vadd: 30000
sumrawc: 15000		sumproc: 45000	rvalue1: .
rawmat1: LUMBER/TIMBER, ASSORTED	runit1: CU FT	rquant1: 27000	rvalue2: .
rawmat2: IRON/COPPER/SHIP RIGGINGS	runit2: TON	rquant2: 9	pvalue1: .
prod1: STEAM VESSEL	pquant1: 1		pvalue2: .
prod2: SAILING VESSEL	pquant2: 2		pvalue2: .
comments: ONE STEAM AND TWO SAILING VESSELS - TONNAGE 1200			

proprior: NEWBURY ROBERT		typeest: BRICK MANUFACTORY	refnum: 16356
cdid: 0061	ced: A-1	cdistric: HASTINGS EAST	csd: THURLOW
sec: 5.17	sic: 351-B	month: 6	prop: 1
fixcap: 8000	flocap: 20000	typepow: HORSE	force: 1
empmen: 45	empwom: .	empboy: .	empgirl: .
totemp: 45	wages: 5400	avwage: 20.00 per worker/month	vadd: 12725
sumrawc: 275		sumproc: 13000	rvalue1: 275
rawmat1: CLAY/SAND	runit1: YD	rquant1: 5500	pvalue1: 13000
prod1: BRICKS	punit1: .	pquant1: 2000000	



Table 6  
6a. ONTARIO INDUSTRIAL ESTABLISHMENTS, 1871  
BY FIRM SIZE OR NUMBERS OF EMPLOYEES PER FIRM

Firm size # employees	Establishments % total	Employment % total	Production % total	Value Added % total
<u>small</u>				
1	39.8	9.0	6.1	6.2
2 - 5	45.3	28.5	29.9	25.7
<u>medium</u>				
6 - 50	14.1	40.1	44.2	44.6
<u>large</u>				
51+	0.8	22.4	19.8	23.5
TOTALS	100.0	100.0	100.0	100.0

6b: HASTINGS COUNTY INDUSTRIAL ESTABLISHMENTS, 1871  
BY FIRM SIZE OR NUMBERS OF EMPLOYEES PER FIRM

Firm size # employees	Establishments % total	Employment % total	Production % total	Value Added % total
<u>small</u>				
1	51.4	13.6	7.6	8.8
2 - 5	37.8	27.2	40.6	34.1
<u>medium</u>				
6 - 25	9.3	27.5	26.1	32.8
26 - 50	1.0	9.5	6.5	9.2
<u>large</u>				
51+	0.5	22.2	19.2	15.1
TOTALS	100.0	100.0	100.0	100.0

### Power Technology

Only 18 per cent of the industrial establishments in Hastings County in April 1871 reported using water or steam power, a somewhat smaller share than in Ontario generally. Such firms were disproportionately important in employment, investment and production. Water-and steam-powered enterprises employed over half the county's industrial workers, and reported 72 per cent of the value of fixed capital invested in industry and 63 per cent of the gross value of output.<sup>14</sup>

Hastings County had above-average water-power resources, ranking seventh among all Ontario counties in horse-power (hp) capacity of waterwheels used in industry. Waterwheels powered 36 per cent of industrial production, compared with 29

<sup>14</sup> See G.T. Bloomfield, Water Wheels and Steam Engines: Powered Establishments of Ontario (CANIND71 Research Report 2, 1989).

per cent in Ontario generally; 34 per cent of output was supported by manual power (31 per cent was the provincial mean). Sixty firms reporting at least 25 hp of inanimate power are listed in Table A-5, ranked by the number of horsepower units. The greatest number report waterwheels though several establishments with power capacities over 100 hp relied on steam.

### Work Environments

The CANIND71 database provides a snapshot of the transition from artisanal craftshops to factories using machinery and integrated work processes. A useful concept in understanding this transition is the **work environment**, which combines measures of the size of the workplace with the extent to which non-manual power was used in the industrial process. A basic distinction is made drawn between workplaces with no inanimate power (represented on the left side of the diagram) and workplaces powered by water or steam (right side). Work environments are further categorized as to the size of their workforces, producing four size classes: 1-5 workers, 6-25 workers, 26-50 workers, and 51 or more workers. Powered establishments with at least 26 workers are called **factories**, while **manufactories** are non-powered workplaces with at least 26 workers. Smaller powered establishments are called **mills** if they had from 6 to 25 workers, **powered craftshops** if they had 5 or fewer workers.

		USE OF POWER			
		non-powered (hand/horse only)		powered by water or steam	
SIZE OF WORKFORCE	51+	<b>MANUFACTORIES</b> (larger)		<b>FACTORIES</b> (larger)	51+
	26-50	<b>MANUFACTORIES</b> (smaller)		<b>FACTORIES</b> (smaller)	26-50
	6-25	<b>SWEATSHOPS</b> and larger <b>CRAFTSHOPS</b>		<b>MILLS</b>	6-25
	1-5	<b>ARTISANS'</b> <b>CRAFTSHOPS</b>		<b>POWERED</b> <b>WORKSHOPS,</b> smaller <b>MILLS</b>	1-5
		non-powered (hand/horse only)		powered by water or steam	

Workplaces using only hand or horse power are called **artisans' craftshops** if they employed 5 or fewer. Slightly larger craftshops, without water or steam power and employing between 6 and 25 workers, have been called **sweatshops** in the context of a large city. **Outworkers**, who toiled at home under the putting-out system, would be included with the artisans' craftshops, from which it is hard to distinguish them on census manuscript evidence alone.<sup>15</sup> We should note that the terms used to describe the eight types of work environment do not really match contemporary usage in 1871, when factories, manufactories and shops were generic terms used interchangeably for all sizes of establishment. Our transcription of the natural language used by the census enumerators allows readers to note this terminology in the (TYPEEST) Type of Establishment data in the Appendix tables of this report.

Table 7  
DISTRIBUTION OF WORKERS IN WORK ENVIRONMENTS, 1871

Work Environment (# employees)	Rural Ontario	Urban Ontario	Urban Hastings County	Rural Hastings County
Non-Powered	%	%	%	%
Artisans (1-5 emp)	45.4	17.8	21.9	39.0
Sweatshops (6-25 emp)	5.8	20.2	27.7	5.7
Manufactories (26-50 emp)	0.3	4.8	-	4.0
Manufactories (>51 emp)	0.5	5.5	-	-
Sub-Total	52.0	48.3	49.6	48.7
Powered				
Small (1-5 emp)	15.8	3.2	4.3	11.7
Medium (6-25 emp)	19.6	13.0	13.3	12.7
Factories (26-50 emp)	5.4	8.3	12.0	3.8
Factories (>51 emp)	7.2	27.2	20.8	23.1
Sub-Total	48.0	51.7	50.4	51.3
TOTAL	100.0	100.0	100.0	100.0

How significant were the various work environments in Hastings County in 1871? As Table 7 shows, Belleville and Trenton were fairly typical of Ontario urban centres generally, except in lacking any manufactories, their somewhat greater dependence on manual power and smaller size of workplace. Rural workplaces, on the other hand, were both larger and more associated with inanimate power than the general pattern for rural Ontario. The share of the county's rural industrial workers in large, powered mills employing at least 51 workers was more than three times the mean for rural Ontario.

<sup>15</sup> For more discussion of this concept see Patterns of Canadian Industry in 1871 (Report 12) and Elizabeth Bloomfield and G.T. Bloomfield, Canadian Women in Workshops, Mills and Factories: The Evidence of the 1871 Census Manuscripts (CANIND71 Research Report 11, 1991).



The industrial work environments of male and female employees could be quite different. Women and girls made up only 5.7 per cent of the industrial workforce of Hastings County, considerably less than the mean proportion of 14 per cent in Ontario as a whole. As elsewhere in this period, women and girls in paid industrial jobs were usually concentrated in cities and towns. Nearly 77 per cent of the women and girls recorded as industrial workers in the Hastings County were in Belleville, Trenton or Stirling, compared with only 42 per cent of the men and boys.

Table A-6 lists 74 industrial establishments in Hastings County in which at least two women or girls were counted in 1871. Typically most of these were in clothing (26) or textiles (32) but there were also small numbers of cheese factories, bakeries, two paper mills, a furniture factory and a footwear manufactory. Only six of these establishments used water- or steam-power and two others used horses. A remarkable number of women and girls laboured as handloom weavers, especially in Hastings North.<sup>16</sup> In addition to the 30 weaving establishments with at least two female workers (Table A-6), 170 female weavers laboured alone in farmhouses and domestic workshops. They are listed in Table A-4: Textile Producers.

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<sup>16</sup> See Canadian Women in Workshops, Mills and Factories (CANIND71 Report 11) for a detailed discussion of women's industrial work, including the evidence for handloom weaving (pp. 13-23).

### Appendix Tables

This county report presents several kinds of tabulations which are briefly introduced here. In understanding the abbreviated code names of database variables, users are referred to Table 3 on page 7, for the Standard Industrial Classification codes to Table 1 on page 5, and for the Major Industry Groups to Table 2 on page 6.

**Table A-1: Hastings County: Geographical Summary of Firms, 1871**

Summary data for each Census Sub-District (CSD), including horse-power units of non-manual power, value of fixed and floating capital, numbers of employees (men, women, boys, girls and total), annual wages paid, costs of raw materials, gross value of production, value added in manufacturing, and number of establishments. Data are totalled for each Census District (or part thereof) in the county, and totalled for the whole county. See Figure 1 for a map of CSDs and pp. 9-12 for discussion.

**Table A-2: Hastings County: Industrial Structure, 1871** Summary data for each Major Industry Group, of establishments, horse-power units, value of fixed capital, total employment, gross value of production, and value added in manufacturing. See Figure 2 for diagrammatic representations for the employment structure by Major Industry Groups of Hastings County, Belleville and all of Ontario.

**Table A-3: Basic SIC codes for Hastings County, 1871** Summary data for each Standard Industrial Classification type (including code suffixes but trimming compounds). For discussion of SIC types, see pp. 4-5 and pp. 11 and 14.

**Table A-4: Listings of Individual Establishments, Ranked by Value of Output, for Various SIC Types, 1871**

Data for grain mills; bakeries; cheese factories; tanneries; saddlers; bootmakers; textile producers; clothing producers; sawmills and wood processing businesses; metal-fabricating and machinery producers; carriage and wagon shops; non-metallic minerals and chemicals; and blacksmiths.

**Table A-5: Hastings County: Firms Using Inanimate Power, 1871** Data for individual establishments reporting at least 25 horse-power units of water or steam, ranked by hp units.

**Table A-6: Hastings County: Firms Employing at least Two Females in 1871** Data for individual establishments, ranked by number of women and girls employed. Note use of FEMALE variable (total number of women and girls employed) variable.

**Table A-7: Hastings County: Firms by Name of Proprietor, 1871**

Data for individual establishments in alphabetical order of proprietor's name.

**Table A-8: Urban Centres: Firms by Name of Proprietor, 1871**

Data for individual establishments in alphabetical order of proprietor's name: Belleville, Trenton, Stirling.

HASTINGS COUNTY: GEOGRAPHICAL SUMMARY OF FIRMS, 1871

CDID	CED	CSD	FORCE	FIXCAP	FLOCAP	EMPMEN	EMPWOM	EMPBOY	EMPGIRL	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD	OBSERV
O060	A	SIDNEY	574	84238	202935	286	48	16	.	350	68639	270525	412490	141965	91
O060	B	TRENTON V	156	78247	177195	243	6	32	.	281	68976	190260	303313	113053	34
O060	C	BELLEVILLE T	645	285870	171719	743	109	31	3	886	215068	326798	821665	494867	102
O060			1375	448355	551849	1272	163	79	3	1517	352683	787583	1537468	749885	227
O061	A	THURLOW	715	143525	113750	260	16	2	.	278	48604	251373	356761	105388	60
O061	B	TYENDINAGA	667	139686	222946	427	37	85	1	550	88996	261988	455874	193886	88
O061	C	HUNGERFORD	285	40686	24150	131	36	7	5	179	29397	104288	173025	68737	90
O061			1667	323897	360846	818	89	94	6	1007	166897	617649	985660	368011	238
O062	A	RAWDON	144	7148	2348	49	44	5	.	98	8410	16943	31125	14182	74
O062	B	STIRLING V	119	26148	12740	80	21	5	.	106	23544	75119	125910	50791	42
O062	C	HUNTINGDON	15	10034	1355	40	37	.	1	78	10899	31422	48279	16857	62
O062	D	MARMORA/LAKE	248	22446	10655	51	7	5	.	63	15113	36971	56992	20021	34
O062	E	MADOC	154	25895	14308	102	39	3	7	151	27323	58915	109446	50531	91
O062	F	ELZEVIR/...	322	33736	21355	69	13	8	.	90	19941	67312	105864	38552	32
O062	G	TUDOR/...	125	2737	452	18	9	2	.	29	2079	5362	8013	2651	19
O062	H	CARLOW/MAYO	.	260	150	4	.	.	.	4	1200	534	1620	1086	3
O062	I	FARADAY/...	50	2328	400	2	2	.	.	4	800	10474	14688	4214	4
O062	J	HERSCHEL/...	.	5865	528	10	2	.	1	13	3150	2957	6969	4012	9
O062			1177	136597	64291	425	174	28	9	636	112459	306009	508906	202897	370
			4219	908849	976986	2515	426	201	18	3160	632039	1711241	3032034	1320793	835



## HASTINGS COUNTY: MAJOR INDUSTRY GROUPS, 1871

SEC	OBSERV		FORCE		FIXCAP		TOTEMP		SUMPROC		VADD	
	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT
4	2	0.2	40	0.9	14000	1.5	22	0.7	7720	0.3	5224	0.4
5.01	70	8.4	1066	25.3	218818	24.1	231	7.3	972953	32.1	249791	18.9
5.02	1	0.1	.	.	200	0.0	6	0.2	2000	0.1	1200	0.1
5.04	90	10.8	107	2.5	37449	4.1	244	7.7	185045	6.1	99735	7.6
5.05	255	30.5	174	4.1	35110	3.9	342	10.8	142937	4.7	47677	3.6
5.07	44	5.3	.	.	8755	1.0	167	5.3	114780	3.8	55096	4.2
5.08	128	15.3	2092	49.6	275063	30.3	1168	37.0	864538	28.5	346082	26.2
5.09	15	1.8	123	2.9	11225	1.2	74	2.3	58610	1.9	41000	3.1
5.1	3	0.4	145	3.4	15900	1.7	33	1.0	24500	0.8	17100	1.3
5.11	6	0.7	3	0.1	18250	2.0	46	1.5	30300	1.0	20809	1.6
5.13	19	2.3	139	3.3	35150	3.9	113	3.6	114474	3.8	69837	5.3
5.14	16	1.9	171	4.1	104305	11.5	174	5.5	145626	4.8	101568	7.7
5.15	59	7.1	103	2.4	42825	4.7	237	7.5	172708	5.7	121844	9.2
5.17	26	3.1	50	1.2	25628	2.8	122	3.9	56458	1.9	45317	3.4
5.19	8	1.0	.	.	12150	1.3	36	1.1	48950	1.6	28775	2.2
5.2	1	0.1	.	.	75	0.0	1	0.0	1440	0.0	1190	0.1
6	2	0.2	.	.	500	0.1	6	0.2	5100	0.2	4100	0.3
7	1	0.1	.	.	35900	4.0	4	0.1	7700	0.3	5900	0.4
8	2	0.2	.	.	410	0.0	4	0.1	1550	0.1	1470	0.1
10	87	10.4	6	0.1	17136	1.9	130	4.1	74645	2.5	57078	4.3
ALL	835	100.0	4219	100.0	908849	100.0	3160	100.0	3032034	100.0	1320793	100.0

## BASIC SIC CODES FOR HASTINGS COUNTY, 1871

SIC	OBSERV	FORCE	FIXCAP	FLOCAP	EMPHEN	EMPWOM	EMPBOY	EMPGIRL	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
052	2	40	14000	7500	21	0	1	.	22	7200	2496	7720	5224
104	10	1	28097	25600	35	19	0	.	54	10594	131455	165545	34090
105	33	991	157842	72240	75	0	7	.	82	23305	537268	691984	154716
107	15	.	18629	6210	40	12	1	1	54	11938	28934	59144	30210
108-C	1	.	1000	262	3	2	0	.	5	1050	3800	10400	6600
108-B	3	26	750	6070	13	0	0	.	13	2578	7200	14600	7400
109-C	4	8	1300	.	7	0	4	.	11	379	1455	5180	3725
109-D	1	40	8000	10000	6	0	0	.	6	1500	12000	20000	8000
109-S	3	.	3200	500	5	0	1	.	6	1700	6100	5050	5050
153	1	.	200	200	5	0	1	.	6	1000	800	2000	1200
172	11	107	14040	14540	27	1	0	.	28	7206	23553	34769	11216
174	55	.	10409	9626	14	11	4	.	159	38173	40675	96576	55901
179-S	24	.	13000	10400	55	0	2	.	57	16360	21082	53700	32618
182	2	70	18000	12400	13	22	0	.	35	5950	21000	35000	14000
182-W	244	2	5110	161	46	224	1	14	285	15570	46601	73268	26667
189-D	2	15	1500	150	4	0	2	.	6	1200	700	2300	1600
189-W	7	87	10500	400	12	0	4	.	16	3096	26959	32369	5410
242	17	.	4160	2450	20	31	0	1	52	9920	20660	33652	12992
243	9	.	2225	5085	19	25	1	.	45	8218	16508	39060	22552
244	10	.	1015	1590	0	36	0	2	38	3039	6720	13168	6448
246	2	.	850	15000	6	5	1	.	12	3350	11000	20500	9500
249-M	6	.	505	1095	0	19	1	.	20	1734	4796	8400	3604
251	60	1974	256430	544391	913	0	117	.	1030	164872	497355	791888	294533
251-S	44	16	1435	1302	55	2	6	.	63	3334	1974	6176	4202
254	10	90	12630	5180	45	0	1	.	46	16400	6582	37430	30848
259	1	.	1000	550	6	0	0	.	6	2200	10000	18000	8000
259-C	13	12	3568	2105	23	0	0	.	23	5310	2545	11044	8499
261	14	123	9225	4780	58	5	6	.	69	14680	11610	48610	37000
266	1	.	2000	650	5	0	0	.	5	1900	6000	10000	4000
271	3	145	15900	6000	29	4	0	.	33	6850	7400	24500	17100
286	1	.	400	10	1	0	0	.	31	100	31	300	269
287-B	1	.	250	150	2	1	0	.	3	500	1000	2500	1500
289	4	3	17600	8400	29	4	9	.	42	11400	8460	27500	19040
304-T	13	.	13250	11420	44	0	6	.	50	27912	27912	59339	31427
306	2	30	5200	4500	14	0	1	.	15	5000	3660	11375	7715
306-T	2	90	13000	15000	41	0	0	.	41	12000	12080	40000	27920
307-S	2	19	3700	600	7	0	0	.	7	1200	985	3760	2775
311	8	127	93230	40085	108	0	6	.	114	34840	32660	102511	69851
315	4	30	8250	7100	28	0	8	.	36	11104	8700	24900	16200
315-P	3	8	1325	1150	8	0	0	.	8	1968	698	9215	8517
315-S	1	6	1500	1100	16	0	0	.	16	4400	2000	9000	7000
327	1	.	12000	10000	30	0	0	.	30	16200	15000	45000	30000
328	1	.	50	50	1	0	0	.	1	400	100	640	540
329	53	103	29725	31495	194	2	2	.	198	50709	35199	122568	87369
329-P	4	.	1050	400	8	0	0	.	8	1900	565	4500	3935
351-B	3	5	12050	22075	63	0	3	.	66	10475	2800	21700	21005
351-P	1	.	5000	5000	7	0	0	.	7	3000	2200	16000	13200
353	2	.	900	932	6	0	0	.	6	2928	2200	6500	4300
358-L	18	.	1678	6242	35	0	1	.	36	3992	1146	2712	2712
359-P	2	45	6000	4500	7	0	0	.	7	1450	4300	8400	4100
376	1	.	6000	4000	4	0	0	.	4	1500	6000	15000	9000
378-P	7	.	6150	8100	32	0	0	.	32	8440	14175	33950	19775
399-B	1	.	75	150	1	0	0	.	1	400	250	1440	1190
421-D	2	.	500	300	6	0	0	.	6	2300	1000	5100	4100
574	1	.	35900	15000	4	0	0	.	4	1300	1800	7700	5900
695	2	.	410	10	4	1	0	.	4	1314	80	1550	1470
893	3	.	1400	400	2	1	0	.	3	1020	400	2120	1720
896	84	6	15736	12380	123	0	4	.	127	35853	17167	72525	55358
	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
	835	4219	908849	976986	2515	426	201	18	3160	632039	1711241	3032034	1320793

## HASTINGS COUNTY: GRAIN MILLS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD		
0062	B	MACDOUGALL DUGALD	FLOUR/GRIST MILL	105	8000	WATER	35	4	1500	45000	63000	18000		
0061	A-2	LINGHAM WILLIAM ?	GRIST MILL	105	8000	WATER	30	5	1825	36468	39654	3186		
0061	A-2	CORBY HARRY	GRIST MILL	105	12000	WATER	60	4	1100	25000	37500	12500		
0061	C-3	EASTERBROOK GEORG	GRIST MILL	105	9450	WATER	40	3	1000	33000	35450	2450		
0060	A-3	BARNUM SIMON	GRIST MILL	105	.	WATER	.	2	900	15000	32000	17000		
0060	C-4	DIAMOND JOHN W	FLOUR MILL	105	10000	WATER	20	5	1600	30000	32000	2000		
0061	A-1	CANNIFF JAMES	FLOUR/GRIST MILL	105	15000	WATER	35	3	850	30000	32000	2000		
0061	B-1	SMITH DAVID	GRIST/FLOUR MILL	105	8000	WATER	36	5	900	24000	32000	8000		
0061	B-1	LAZIER STEPHEN A	GRIST/FLOUR MILL	105	8000	WATER	35	2	800	24000	32000	8000		
0061	B-1	WALBRIDGE F & EAR	GRIST/FLOUR MILL	105	10000	WATER	70	4	900	24000	32000	8000		
0061	B-2	APPLEBY & GULLET	GRIST/FLOUR MILL	105	8000	WATER	50	2	800	20000	30000	10000		
0062	F-2	THOMPSON DANIEL	GRIST MILL	105	2000	WATER	18	3	600	25000	30000	5000		
0062	E-1	WELLINGTON JOHN W	FLOUR MILL	105	3500	WATER	28	4	800	21600	24400	2800		
0060	A-1	CRASK WALTER	GRIST/FLOUR MILL	105	192	WATER	30	2	.	21260	23085	1825		
0062	D-1	PIERCE & SON	FLOUR MILL	105	3000	WATER	60	2	700	20000	21700	1700		
0060	A-3	MORGAN DANIEL	GRIST MILL	105	4000	WATER	40	2	500	15000	19100	4100		
0062	F-1	FLINT BELLA	FLOUR/GRIST MILL	105	12000	WATER	60	3	900	16250	19000	2750		
0061	A-3	BARNES JAMES	GRIST MILL	105	8000	WATER	45	2	510	17500	18750	1250		
0060	A-1	PACKENHAM EDWARD	FLOUR MILL	105	.	WATER	50	4	400	15000	17508	2508		
0061	A-2	CANNIFF JONAS	GRIST MILL	105	5000	WATER	20	2	700	16440	17292	852		
0061	A-3	CRONK JACOB	GRIST MILL	105	6000	WATER	30	2	600	13500	15000	1500		
0060	C-4	BORROW PATRICK	FLOUR/FEED MILL	105	500	STEAM	40	2	600	1000	14000	13000		
0061	B-4	CHISHOLM WILLIAM	GRIST MILL	105	6000	WATER	36	2	400	9000	12000	3000		
0060	A-1	SILLS & BROS	FLOUR/FEED MILL	105	2500	WATER	25	1	468	10000	11500	1500		
0062	I	JARMEN HENRY ?	GRIST MILL	105	300	WATER	20	1	300	6000	8000	2000		
0062	C-2	KIRK CHARLES	GRIST MILL	105	1000	WATER	.	1	240	6000	7000	1000		
0062	E-2	MCCALLUM PETER	FLOUR MILL	105	.	WATER	20	3	900	5000	6868	1868		
0062	I	CLEAK JAMES ?	GRIST MILL	105	2000	WATER	30	1	300	4000	6000	2000		
0062	D-1	STEINBURGH ANSON	FLOUR MILL	105	500	WATER	8	2	600	4000	5000	1000		
0062	G-2	CANNIFF JOSEPH	GRIST MILL	105	1000	WATER	15	1	192	2250	2437	187		
0062	J-2	MCDAVITT WILLIAM	FLOUR MILL	105	3000	WATER	.	1	500	400	900	500		
0060	A-3	SAGER MICHAEL	GRIST MILL	105	400	WATER	.	1	200	600	840	240		
					157842				991	82	23305	537268	691984	154716

## HASTINGS COUNTY: BAKERIES, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUNRAWC	SUMPROC	VADD		
0060	C-2	NILES & LEGATE	BAKER/CONFECTION	107/108-C	600	.	.	13	3000	1000	14000	13000		
0060	C-2	ABBOTT GEORGE	BAKER/CONFECTION	107/108-C	450	.	.	13	3600	8000	12000	4000		
0060	C-2	HAMBLY PHILLIP	BAKERY/CONFECTION	107/108-C	15000	.	.	13	1560	3000	10000	7000		
0060	B	HUTCHINSON JOSEPH	BAKER	107	50	.	.	1	360	2750	3463	713		
0062	E-1	HARPER JOHN	BAKING ESTABLISH	107	600	.	.	1	480	2400	3000	600		
0060	B	DAVERAN JAMES	BAKERY	107/108-C	50	.	.	1	360	1715	2915	1200		
0062	B	MCKEE DAVID	BAKERY	107	300	.	.	2	500	1900	2700	800		
0060	B	LOBIN PETER	BAKERY	107	60	.	.	1	250	1854	2535	681		
0060	A-1	FOSTER THOMAS	BAKE SHOP	107/108-C	150	.	.	2	300	1800	2350	550		
0060	B	ALLAN DAVID	BAKERY/CONFECTION	107/108-C	61	.	.	1	300	1700	2120	420		
0062	B	BYRDON ANDREW	BAKERY	107	100	.	.	1	312	750	1365	615		
0061	C-3	VANDUREN ALLEN	BAKERY	107	936	.	.	1	400	936	1151	215		
0062	E-1	BROOKS GEORGE M	BAKING ESTABLISH	107	200	.	.	2	384	702	900	198		
0062	F-1	ELLIOTT THOMAS	BAKERY	107	60	.	.	1	72	252	350	98		
0060	A-1	MARSH JOHN	BAKE SHOP	107	12	.	.	1	60	175	295	120		
					18629				0	54	11938	28934	59144	30210



## HASTINGS COUNTY: CHEESE FACTORIES, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0061	C-3	LAWRENCE ROBERT	CHEESE FACTORY	104	2000	HORSE	1	7	1092	21000	32000	11000
0060	A-1	GRAHAM & KETCHUM	CHEESE FACTORY	104	5300		.	11	3100	25422	28680	3258
0061	A-3	WARD ALBERT	CHEESE FACTORY	104	3000		.	6	1200	21661	24929	3268
0062	C-1	MOIRA ?	CHEESE FACTORY	104	4248		.	10	1880	13620	17869	4249
0060	A-2	WILMOT SAMUEL F	CHEESE FACTORY	104	4149		.	5	616	11310	16611	5301
0061	A-2	BRENTON FRANCIS	UNION CHEESE CO	104	3000		.	4	750	12469	14885	2416
0061	C-1	NEWTON RICHARD	CHEESE FACTORY	104	3200		.	4	1200	9000	11096	2096
0061	B-2	EMPY A & CO ?	CHEESE FACTORY	104	1500		.	2	480	7300	8100	800
0061	B-2	BLASON & GOULD ?	CHEESE FACTORY	104	1200		.	2	150	6700	7800	1100
0060	A-2	VANDERVOORT WILLI	CHEESE FACTORY	104	500		.	3	126	2973	3575	602
					28097		1	54	10594	131455	165545	34090

## HASTINGS COUNTY: TANNERIES, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0061	A-2	MULLET DANIEL	TANNERY	172	4000	WATER	20	6	1300	10000	11300	1300
0062	E-3	MULLET SILVANAS	TANNER/CURRIER S	172	1500		.	3	900	2640	4620	1980
0061	A-2	OSBORN RICHARD	TANNERY	172	2000	WATER	20	3	700	2800	4200	1400
0062	F-1	BRAGG JOHN	TANNERY	172	800	WATER	20	3	882	2200	4000	1800
0062	B	BARLOW JESSE	TANNERY	172	500	HORSE	1	3	1000	1600	3000	1400
0061	C-3	MCCALLUM ALEXANDE	TANNERY	172	2000	STEAM	10	2	624	1263	2564	1301
0061	A-2	FRAKUM HENRY	TANNERY	172	2000	WATER	10	3	900	1250	2075	825
0061	A-2	BROWN ANDREW	TANNERY	172	300	STEAM	25	2	500	900	1250	350
0062	B	WRIGHT UTRIAL	TANNERY	172	600	HORSE	1	1	300	500	900	400
0061	A-3	MCGUNION PETER ?	TANNERY	172	300		.	1	.	300	600	300
0061	C-1	NANLEY WILLIAM	TANNERY	172	40		.	1	100	100	260	160
					14040		107	28	7206	23553	34769	11216

## HASTINGS COUNTY: SADDLERS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0060	C-2	MCARTHUR NEIL	SADDLE/TRUNK MF	179-S/179-T	500		.	5	1500	5000	10000	5000
0060	C-2	CUMMINS JAMES	SADDLE/HARNESS S	179-S	8300		.	5	1700	2300	6000	3700
0060	C-2	BECKETT PAUL	HARNESS SHOP	179-S	200		.	5	2000	1500	4000	2500
0062	B	GALLAGHER JOHN	HARNESS SHOP	179-S	100		.	3	600	2000	3600	1600
0060	B	MCCEW PATRICK	HARNESS/TRUNK FC	179-S/179-T	120		.	3	900	1510	3500	1990
0060	C-2	WHITE WILLIAM	SADDLE/HARNESS S	179-S	400		.	2	600	200	3000	2800
0061	C-3	CARLETON JOHN F	HARNESS SHOP	179-S	200		.	4	1130	1200	2800	1600
0060	C-2	DAVIS WILLIAM	SADDLER/HARNESS	179-S	200		.	3	800	1000	2500	1500
0062	E-1	SINCLAIR PETER	HARNESS FACTORY	179-S	50		.	3	936	600	2100	1500
0060	B	WERT JAMES	HARNESS FACTORY	179-S/179-T	100		.	3	780	1000	2000	1000
0060	C-2	CAPLAND JAMES	SADDLE/HARNESS M	179-S	100		.	3	500	450	2000	1550
0061	B-1	RATHBUN H B & S	HARNESS SHOP	179-S	1000		.	2	960	600	2000	1400
0062	B	CALDWELL SYLVEST	HARNESS SHOP	179-S	500		.	2	500	1170	1950	780
0061	C-3	DAVIS WM HENRY ?	HARNESS SHOP	179-S	200		.	2	604	250	1600	1350
0062	F-1	SPENCER WILLIAM	HARNESS SHOP	179-S	90		.	2	400	300	1200	900
0060	A-1	CONSAUL SEYMOUR ?	HARNESS SHOP	179-S	40		.	1	400	300	1000	700
0061	B-2	OSBORN WILLIAM A	HARNESS SHOP	179-S	200		.	1	300	300	900	600
0060	B	MARSH CHARLES	HARNESS SHOP	179-S	200		.	1	450	300	800	500
0062	B	MAYBEE JOHN	HARNESS SHOP	179-S	25		.	1	400	275	675	400
0062	E-1	MULLETT WILLIAM	HARNESS FACTORY	179-S	50		.	1	300	300	675	375
0061	B-1	SWERTMAN WILLIAM	HARNESS SHOP	179-S	100		.	1	250	200	600	400
0061	B-1	WILLIAMS PETER	HARNESS SHOP	179-S	100		.	2	300	200	500	300
0060	A-2	FREDERICK JOHN	HARNESSMAKER	179-S	25		.	1	50	87	200	113
0061	A-3	WELLS WM C	HARNESS SHOP	179-S	200		.	1	.	40	100	60
					13000		0	57	16360	21082	53700	32618

HASTINGS COUNTY: BOOTMAKERS, 1871

CDID	CED	PROPRIOR	TYPEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0060	C-2	TERWILLIGER A M ?	BOOT/SHOE MF	174	3000		.	18	2500	6000	12000	6000
0060	C-2	MCKEOWN JOHN	BOOT/SHOE SHOP	174	300		.	13	3500	5000	7500	2500
0060	C-2	ROBERTSON & LEVAN	BOOT/SHOE MF	174	300		.	17	3500	2000	7000	5000
0060	C-2	GIBSON GEORGE	BOOT/SHOE MF	174	1000		.	8	2000	3000	6000	3000
0060	C-2	MORRIS ALEXAND	BOOT/SHOE STORE	174	400		.	8	2500	3000	6000	3000
0062	B	MARTIN & EATON	BOOT/SHOE MF	174	200		.	8	2075	1500	4200	2700
0062	E-1	ATKINS WILLIAM	BOOT/SHOE SHOP	174	50		.	3	1200	936	3510	2574
0060	A-1	CHAPMAN JOHN	SHOE/BOOT SHOP	174	600		.	4	1200	1200	3500	2300
0060	B	HYDE JAMES	BOOT/SHOE FACTOR	174	176		.	4	1200	869	3000	2131
0061	C-2	BENNETT BERNARD	SHOEMAKER	174	300		.	4	800	1000	2500	1500
0061	C-3	CARLETON JOHN	SHOE SHOP	174	360		.	3	735	1300	2435	1135
0062	B	FINCH RICHARD	BOOT/SHOE SHOP	174	300		.	4	800	1000	2300	1300
0062	E-1	FOSTER ALEXANDER	BOOT/SHOE SHOP	174	30		.	2	720	1012	2190	1178
0060	A-1	GOWIN J THOMPSON	SHOEMAKER SHOP	174	50		.	2	900	900	2000	1100
0060	C-1	ALFORD WILLIAM	BOOT/SHOE FACTOR	174	300		.	2	300	600	2000	1400
0060	B	FILION ANDREW	BOOT/SHOE FACTOR	174	100		.	3	900	500	1900	1400
0062	B	DERHILL SAMUEL	BOOT/SHOE SHOP	174	100		.	2	700	850	1900	1050
0060	B	BRYANT & HUGHES	BOOT/SHOE FACTOR	174	150		.	3	1000	651	1850	1199
0060	C-2	BROWN WILLIAM	BOOT/SHOE SHOP	174	150		.	6	500	400	1800	1400
0062	D-1	WILKINSON JAMES	BOOT/SHOE SHOP	174	30		.	2	600	575	1600	1025
0061	C-3	ROSEVEAR JOHN ?	SHOE SHOP	174	200		.	2	588	788	1568	788
0062	E-1	MOORE WILLIAM	BOOT/SHOE SHOP	174	50		.	1	1227	520	1227	707
0061	A-3	GONTE ANDREW & SO	SHOE SHOP	174	100		.	3	600	600	1200	600
0061	B-2	SWING MILES	SHOEMAKER SHOP	174	50		.	1	300	500	1200	700
0062	F-1	KLEINSTUBER & BRO	SHOE SHOP	174	25		.	2	600	656	1040	384
0060	C-3	PERKINS WILLIAM	SHOEMAKER SHOP	174	100		.	3	700	200	1000	800
0062	D-1	PAPIN L J	BOOT/SHOE SHOP	174	100		.	2	468	530	1000	470
0062	F-1	EMPY FRANCIS ?	SHOE SHOP	174	50		.	2	450	500	1000	500
0061	A-2	NAYLOR WILLIAM	SHOE SHOP	174	150		.	1	300	400	900	500
0061	B-1	JENKINS WILLIAM	SHOE SHOP	174	400		.	1	300	100	900	800
0060	C-1	HALPENS JOSEPH	BOOT/SHOE SHOP	174	50		.	1	400	100	875	775
0060	A-3	SMITH WELLINGTON	SHOEMAKER SHOP	174	100		.	1	300	350	850	500
0061	B-1	CLARK CHESTER E	BOOT/SHOE SHOP	174	10		.	1	328	300	700	400
0061	B-2	HOLLINGSWORTH EDW	SHOEMAKER SHOP	174	50		.	1	200	300	700	400
0061	A-2	SCANTLERERRY WILL	SHOE SHOP	174	175		.	1	400	300	650	350
0061	B-1	CRAIG JAMES D	BOOT/SHOE SHOP	174	100		.	1	250	300	650	350
0061	A-2	SPENCER THOMAS	SHOE SHOP	174	50		.	1	300	200	600	400
0061	C-2	BROWN JOHN	SHOEMAKER	174	100		.	1	400	200	600	400
0062	C-1	LAFERTY JOHN	SHOEMAKER	174	.		.	1	300	60	560	500
0062	E-1	WEISS LOUIS	BOOT/SHOE SHOP	174	50		.	1	400	270	540	270
0062	C-1	MCCARVY PATRICK	SHOEMAKER	174	50		.	1	300	120	500	380
0062	C-1	JUSTICE JOHN	SHOEMAKER	174	50		.	1	200	130	416	286
0062	J-2	LONGDO ALFONSO	SHOE SHOP	174	15		.	1	240	180	400	220
0061	C-1	SHEING JAMES ?	SHOE SHOP	174	80		.	1	152	120	320	200
0061	B-3	MCGEE JOSEPH	SHOEMAKER SHOP	174	50		.	1	200	100	300	200
0062	C-1	SHAW JOHN	SHOEMAKER	174	40		.	1	280	60	300	240
0062	E-3	WEIR JOHN	BOOT/SHOE SHOP	174	20		.	1	200	80	270	190
0061	A-2	KANE WILLIAM ?	SHOE SHOP	174	200		.	1	250	150	260	110
0060	A-2	JOHNSTON JAMES	SHOEMAKER	174	10		.	1	120	100	200	100
0062	C-2	KING JAMES	BOOT/SHOE SHOP	174	20		.	1	120	70	200	130
0062	E-3	REMMINGTON JOHN	SHOEMAKER SHOP	174	8		.	1	120	1	130	129
0062	E-2	CHAMBERS JOSEPH	SHOEMAKER	174	20		.	1	75	18	125	107
0061	A-3	MCGUNION PETER ?	SHOE SHOP	174	10		.	1	.	80	100	20
0062	E-1	MARRIN OWEN ?	BOOT/SHOE MF	174	20		.	1	312	24	70	46
0062	A-1	HUFFMAN DANIEL	SHOE SHOP	174	10		.	1	30	3	40	37
					10409	0	159	38173	40675	96576	55901	



CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0061	B-2	ROSS JOHN	CLOTH FACTORY	182	10000	WATER	50	24	4000	13000	25000	12000
0060	C-1	LAZIER JOHN	CLOTH FACTORY	182	8000	WATER	20	11	1950	8000	10000	2000
0060	A-3	MORGAN DANIEL	CARDING/FULLING	189-W	2000	WATER	10	2	250	6000	7560	1560
0062	F-1	WOLFE GEORGE	CARDING/FULLING	189-W	1250	WATER	10	4	588	6000	7000	1000
0062	E-3	PRINGLE WILLIAM H	CARDING/FULLING	189-W	2000	W/S	15	2	400	6370	6877	507
0061	B-2	LAZIER JAMES A	CARDING MILL	189-W	1500	WATER	15	1	300	3000	3700	700
0062	D-1	MILLS JOHN	CARDING MILL	189-W	1000	WATER	10	3	900	2400	3260	860
0060	A-1	HUFFMAN JAMES	CARDING MILL	189-W	2500	WATER	15	3	450	1960	2450	490
0060	A-1	PACKENHAM EDWARD	CARDING MILL	189-W	250	WATER	12	1	208	1229	1522	293
0060	C-1	OSTRUM SYLVEST	WOOL DRESSING ES	189-D	1400	STEAM	15	5	900	500	1500	1000
0061	B-2	MCFAREN BRIDGET	WEAVER	182-W	20			3	145	1000	1400	400
0060	A-1	WHITE RACHAEL	HANDLOOM WEAVING	182-W	15			2	120	600	1280	680
0060	A-1	MCDONALD ANN JANE	HANDLOOM WEAVING	182-W	70			2	40	750	1200	450
0062	E-2	ELLIS JAMES	WEAVING SHOP	182-W	85			1	200	500	1200	700
0062	D-1	SMYTH JOHN	WEAVING LOOM	182-W	32			1	300	675	1080	405
0062	J-1	WETSEL JOANNA ?	WEAVING LOOM	182-W	15			2	250	660	1000	340
0061	C-3	HOWE ALONZO	HANDLOOM	182-W	100			1	200	320	910	590
0062	G-2	NUGENT PATRICK	WEAVING SHOP	182-W	50			2	100	740	900	160
0061	B-3	NICHOL JAMES	WEAVER	182-W	30	HORSE	2	1	200	500	850	350
0060	B	BAIRD ROBERT	WEAVING EST	182-W	20			1	150	430	820	390
0060	C-1	HELLER ANDREW	CLOTH DYEING EST	189-D	100			1	300	200	800	600
0061	B-3	MCCULLOUGH MARGAR	WEAVER	182-W	20			1	80	400	750	350
0062	G-2	JACKSON A ?	WEAVER SHOP	182-W	24			2	120	610	740	130
0061	B-1	REED MARTHA	WEAVER	182-W	35			1	60	450	720	270
0061	B-3	MOUTH MARY ANNE	WEAVER	182-W	20			1	150	400	700	300
0060	A-1	DOXTATER SARAH ?	HANDLOOM WEAVING	182-W	30			1	80	285	692	407
0062	C-2	GARY MISS ?	WEAVING LOOM	182-W	40			2	125	540	680	140
0061	B-1	BECKWITH ALMIRA	WEAVER	182-W	40			1	60	350	660	310
0062	A-2	TURNER MARY	WEAVING LOOM	182-W	30			1	100	475	660	185
0061	A-2	MOON SARAH A ?	WEAVING	182-W	10			1	100	500	650	150
0062	C-1	MCMULLEN MRS J ?	WEAVING LOOM	182-W	20			1	175	450	650	200
0060	A-2	HOGLE ADALINE	HANDLOOM WEAVER	182-W	30			2	50	500	610	110
0060	A-1	SIMMONS CATHERINE	HANDLOOM WEAVING	182-W	25			1	100	250	600	350
0061	B-4	BRYSON OWEN	HANDLOOM	182-W	14			1	100	50	600	550
0061	C-2	MCCAMON PRISCILLA	WEAVER	182-W	15			2	50	500	600	100
0062	A-2	WIGGINS JANE	WEAVING LOOM	182-W	25			1	90	400	600	200
0060	A-2	WESTOVER JANE	HANDLOOM WEAVER	182-W	20			2	96	425	595	170
0061	C-3	CARR MRS	WEAVER	182-W	18			1	80	400	560	160
0060	A-3	CAVERLY LUCY	HANDLOOM	182-W	25			1	100	450	550	100
0062	E-3	WATT ALEXANDER	WEAVING LOOM	182-W	30			1	100	408	538	130
0060	A-2	VANDERVOORT JOHN	HANDLOOM WEAVER	182-W	60			2	87	400	520	120
0062	G-2	REED GEORGE	WEAVER SHOP	182-W	50			1	72	400	514	114
0061	C-3	LAWRENCE MARY	HANDLOOM	182-W	20			1	100	350	510	160
0061	A-3	MOON JOHN	HANDLOOM	182-W	20			2	100	375	500	125
0062	E-1	DEVOLIN WILLIAM	WEAVING SHOP	182-W	70			4	250	120	500	380
0061	A-2	PITKMAN MARY	WEAVING	182-W	15			1	60	325	490	165
0062	A-2	JACKMAN RUTH	WEAVING LOOM	182-W	45			1	75	360	490	130
0062	A-3	VOLLIER CATHERINE	WEAVER	182-W	20			1	87	360	490	130
0060	A-1	MCCNEIL MISS MARY	HANDLOOM WEAVING	182-W	20			2	60	325	480	155
0060	A-3	SHENIER GIDEON ?	HANDLOOM	182-W	50			1	100	300	480	180
0061	C-3	MCCNALLA MARY ?	HANDLOOM	182-W	20			1	120	350	480	130
0061	C-3	ROBINSON THOMAS	HANDLOOM	182-W	20			1	180	280	480	200
0062	A-1	NESBOTT WILLIAM ?	WEAVING LOOM	182-W	12			1	75	320	480	160
0062	A-2	MERKLEJOHN JOHN ?	WEAVING LOOM	182-W	25			1	62	300	480	180
0062	C-1	CONIGAL MRS ?	WEAVING LOOM	182-W	15			1	75	300	480	180
0062	D-1	HENDERSON REBECCA	WEAVING LOOM	182-W	22			1	75	225	480	255
0062	E-1	ZELMER MRS	WEAVING LOOM	182-W	18			1	62	305	480	175
0061	B-2	EMPY SARAH	WEAVER	182-W	15			1	60	300	450	250
0061	B-3	ROBERTSON ALMIRA	WEAVING	182-W	25			1	60	300	450	150
0062	A-2	MERKLEJOHN PETER	WEAVING LOOM	182-W	30			1	125	360	450	90
0062	C-1	MCTAGGART MRS A	WEAVING LOOM	182-W	16			1	110	320	440	120
0062	C-2	PHILLIPS PHOEBE	WEAVING LOOM	182-W	12			1	62	330	440	110
0062	E-3	LONY CATHERINE ?	WEAVING LOOM	182-W	20			2	75	321	440	119
0061	C-2	DURHAM MARY ANN	WEAVER	182-W	15			2	54	252	433	181



CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0061	C-2	BADGLEY ABIGAIL	WEAVER	182-W	25			2	104	300	404	104
0061	C-2	MCGRATH ANN	WEAVER	182-W	20			2	57	230	402	172
0061	C-2	CARLETON ANN	WEAVER	182-W	25			2	200	225	400	225
0061	C-3	BREADY L ?	HANDLOOM	182-W	30			1	180	175	400	225
0062	A-1	LINN T ?	WEAVING LOOM	182-W	22			1	88	100	400	300
0062	A-4	JOHNSON LESTER	WEAVING LOOM	182-W	12			1	150	316	400	84
0062	D-1	BROWN MRS J ?	WEAVING LOOM	182-W	12			1	75	300	400	100
0061	C-2	FIMBLE HANNAH ?	WEAVER	182-W	9			2	50	340	390	50
0062	C-2	REID MARY	WEAVING LOOM	182-W	15			1	62	275	390	115
0062	F-1	CHARTRES MRS ?	WEAVING LOOM	182-W	20			1	75	258	390	132
0061	C-3	HARRISON WILLIAM	FLY SHUTTLE LOOM	182-W	22			1	120	250	385	135
0061	C-2	SMITH ELLEN	WEAVER	182-W	80			2	50	287	380	93
0062	A-3	BIRKET FLORA ANN	WEAVER	182-W	20			1	75	264	380	116
0062	C-2	O'DONNELL MARY AN	WEAVING LOOM	182-W	15			1	62	280	380	100
0062	E-2	MICKLE E WM ?	WEAVING LOOM	182-W	15			1	75	230	372	142
0062	A-2	BARTEN MARY	WEAVING LOOM	182-W	50			1	87	275	365	90
0062	E-3	YOUNG CATHERINE	WEAVING LOOM	182-W	10			2	100	277	365	88
0062	A-1	GAINSEY E ?	WEAVING LOOM	182-W	25			1	150	225	360	135
0062	A-2	MCNATTEN MARTHA	WEAVING LOOM	182-W	20			1	75	280	360	80
0062	B	HORTEN SAMUEL	WEAVING LOOM	182-W	11			1	50	225	360	135
0062	C-1	REED MRS N ?	WEAVING LOOM	182-W	12			2	75	260	360	100
0062	C-1	FRALICK MRS P	WEAVING LOOM	182-W	20			1	75	265	360	95
0062	C-1	MCNULLEN WILLIAM	WEAVING LOOM	182-W	12			1	150	250	360	110
0062	C-1	MCNULLEN MRS D	WEAVING LOOM	182-W	10			1	62	240	360	120
0062	C-2	REID SARAH	WEAVING LOOM	182-W	15			1	62	270	360	90
0062	C-2	WILLIAMSON MARY	WEAVING LOOM	182-W	20			1	50	270	360	90
0062	D-1	SCOTT JOHN	WEAVING LOOM	182-W	10			1	150	100	360	260
0062	D-1	GARDIVIER MARY ?	WEAVING LOOM	182-W	12			1	75	225	360	135
0062	G-1	BIGELOW PRUDENCE	WEAVING FACTORY	182-W	12			1	104	150	360	210
0062	I	DOYLE BRIDGET	WEAVING LOOM	182-W	12			1	100	252	352	100
0060	A-3	FOULKNER JONATHAN	HANDLOOM	182-W	40			1	50	200	350	150
0061	C-1	BADGELY NANCY ?	WEAVER SHOP	182-W	8			1	30	160	350	190
0061	C-3	BEATTY ANNA	WEAVER	182-W	35			1	175	200	350	150
0062	A-2	BARTEN SARAH	WEAVING LOOM	182-W	20			1	87	260	350	90
0062	E-3	BOND MARY	WEAVING LOOM	182-W	20			2	20	273	342	69
0062	I	POWERS ELIZABETH	WEAVING LOOM	182-W	16			1	100	222	336	114
0062	C-2	MITCHELL CLARENCE	WEAVING LOOM	182-W	15			1	50	240	320	80
0062	C-2	BEATTIE M	WEAVING LOOM	182-W	20			1	75	240	320	80
0062	F-2	GROVES JANE	WEAVING LOOM	182-W	26			1	150	198	307	109
0060	A-2	LOCKWOOD MARTHA J	HANDLOOM	182-W	35			1	42	219	306	87
0060	A-1	MARSHALL C & M	HANDLOOM WEAVING	182-W	20			2	36	140	305	165
0062	F-2	HERBERTSON RACHEL	WEAVING LOOM	182-W	25			1	150	195	305	110
0061	A-3	GARRISON FRANCES	HANDLOOM	182-W	25			1	36	175	300	125
0061	A-3	DENGES PETER ?	HANDLOOM	182-W	25			1	36	175	300	125
0061	B-3	MCNURRAY MARY ANN	WEAVER	182-W	15			1	100	200	300	100
0062	A-3	CASSIDY JOHN	WEAVER	182-W	15			1	125	180	300	120
0062	A-4	LAWRENCE DANIEL ?	WEAVING LOOM	182-W	20			1	75	188	300	112
0062	B	DECLARE JOHN	WEAVING LOOM	182-W	10			1	75	138	300	162
0062	C-1	HOLLINGER WILLIAM	WEAVING LOOM	182-W	20			1	50	220	300	80
0062	C-1	RYAN MRS J ?	WEAVING LOOM	182-W	20			1	75	140	300	160
0062	E-2	ELLIOTT ANN	WEAVING LOOM	182-W	18			2	50	229	300	71
0060	A-1	FINKLE M & A	HANDLOOM WEAVING	182-W	15			2	40	160	290	130
0062	G-2	WALT DAVID	WEAVER SHOP	182-W	30			2	75	220	285	65
0060	A-2	VANDERVOORT JOHN	HANDLOOM	182-W	30			1	42	200	280	130
0061	B-1	HICKS MARY	WEAVER	182-W	12			1	30	150	280	80
0062	C-1	COLLINS MRS MAY	WEAVING LOOM	182-W	12			1	50	200	280	80
0062	C-1	MORTEN MRS ?	WEAVING LOOM	182-W	12			1	44	200	280	80
0062	C-2	DOYLE W ?	WEAVING LOOM	182-W	15			1	100	210	280	70
0062	E-3	EAGLESON JAMES	WEAVING LOOM	182-W	30			2	60	217	280	63
0061	A-2	PALMER ANNIE ?	WEAVING	182-W	25			1	50	150	273	123
0062	A-2	BORDON SAMUEL	WEAVING LOOM	182-W	15			1	87	175	270	95
0062	E-3	BEST MARGARET	WEAVING LOOM	182-W	25			1	37	205	270	65
0062	D-1	MILLS JOHN ?	WEAVING LOOM	182-W	30			1	150	133	267	134
0061	C-3	MCGRATH MARY	HANDLOOM	182-W	15			1	100	150	260	110

CDID	CED	PROPRIOR	TYPEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0062	D-1	HIGGINS CATHARINE	WEAVING LOOM	182-W	20			1	50	140	260	120
0062	E-2	NICHOLSON DONALD	WEAVING LOOM	182-W	20			1	75	170	257	87
0062	A-2	HUFF EMARILLE	WEAVING LOOM	182-W	25			1	90	190	255	65
0060	A-1	DOKTATER AUGUSTA	HANDLOOM WEAVING	182-W	6			1	24	135	250	115
0061	C-3	TILLY PAUL	HANDLOOM	182-W	15			1	125	138	250	112
0062	A-1	HOLMES RODNEY ?	WEAVING LOOM	182-W	15			1	37	125	250	125
0062	A-2	REER EILEN	WEAVING LOOM	182-W	18			1	50	200	250	50
0060	A-3	COSBY NANCY	HANDLOOM	182-W	30			1	50	150	240	90
0061	B-1	VANDERVOORT ELEAN	WEAVER	182-W	8			1	40	140	240	100
0062	B	TRUMEN BRADLEY	WEAVING LOOM	182-W	10			1	50	140	240	100
0062	C-1	MCBIRD MRS	WEAVING LOOM	182-W	10			1	50	160	240	80
0062	C-2	HERVID AMANDA ?	WEAVING LOOM	182-W	20			1	25	180	240	65
0062	F-1	DRUMOND MRS ?	WEAVING LOOM	182-W	20			1	50	148	240	92
0062	C-1	DORAN MRS J ?	WEAVING LOOM	182-W	16			1	50	160	225	65
0062	J-2	BOOR ALEXANDER	WEAVING LOOM	182-W	10			1	300	150	224	74
0061	C-2	LEWIS JESSIE	WEAVER	182-W	18			1	35	173	222	49
0062	A-3	WELCH MARY	WEAVER	182-W	25			1	75	140	220	80
0062	C-1	PHILIPS ?	WEAVING LOOM	182-W	12			1	50	130	220	90
0062	E-2	ROBINSON MRS H ?	WEAVING LOOM	182-W	20			1	37	115	216	101
0062	G-1	SPENCER MARY	WEAVING FACTORY	182-W	20			1	30	96	216	120
0060	A-1	PARKS MARIETTA	HANDLOOM WEAVING	182-W	30			1	35	115	210	95
0062	A-4	WHITE ELAINE	WEAVING LOOM	182-W	20			1	38	150	210	60
0061	C-2	FISHER PHOEBIE	WEAVER	182-W	25			1	30	120	207	87
0062	E-3	HYLAND SARAH	WEAVING LOOM	182-W	15			2	75	121	207	86
0062	A-1	BELSEAU ROBERT ?	WEAVING LOOM	182-W	25			1	37	160	201	41
0061	C-2	PARKS CYNTHIA	WEAVER	182-W	15			2	50	147	200	53
0062	A-1	?	WEAVING LOOM	182-W	20			1	75	100	200	100
0062	C-2	EMERSON ISABELLA	WEAVING LOOM	182-W	15			1	25	150	200	50
0060	A-1	FANNING DEBORAH	HANDLOOM WEAVING	182-W	10			1	12	90	195	105
0062	C-1	ROBINSON REBECCA	WEAVING LOOM	182-W	16			1	40	130	192	62
0061	B-3	TRIPP MARY ANN	WEAVER	182-W	20			1	30	120	190	70
0061	B-4	CANDON BRIDGET	HANDLOOM	182-W	12			1	30	150	190	40
0062	E-3	MOORCUPP SARAH ?	WEAVING LOOM	182-W	20			2	50	125	184	59
0060	A-1	BELL CATHERINE	HANDLOOM	182-W	6			1	15	80	180	100
0060	A-2	FLETCHER JANE	HANDLOOM WEAVER	182-W	20			1	10	120	180	60
0061	B-1	MYERS RUTH	WEAVER	182-W	15			1	20	100	180	80
0062	C-1	SCHRIVER MRS W	WEAVING LOOM	182-W	10			1	38	120	180	60
0062	A-2	RAUNEY ELIZA ?	WEAVING LOOM	182-W	15			1	25	150	175	25
0062	E-2	FOX MARY	WEAVING LOOM	182-W	15			1	50	95	175	80
0062	E-3	BACON ROBERT	WEAVING LOOM	182-W	24			2	45	139	175	36
0062	D-1	MCNULLEN ELIZABET	WEAVING LOOM	182-W	8			1	15	100	170	70
0061	A-2	KETCHAPAW HANNAH	WEAVING	182-W	20			1	30	115	168	53
0062	D-1	CAMPBELL JAMES	WEAVING LOOM	182-W	16			1	80	80	165	85
0062	E-3	BYRLEY SARAH ?	WEAVING LOOM	182-W	18			2	40	127	164	39
0062	E-3	ELLIS WILLIAM	WEAVING LOOM	182-W	20			1	75	124	163	39
0060	A-2	TURNERCLIFFE JOHN	HANDLOOM WEAVER	182-W	50			1	45	100	160	60
0062	C-2	KILPATRICK ANN	WEAVING LOOM	182-W	10			1	20	120	160	40
0062	B	BELL THOMAS ?	WEAVING LOOM	182-W	12			1	25	88	156	68
0062	C-1	MULLET JAMES	WEAVING LOOM	182-W	10			1	38	100	156	56
0062	A-1	CROZIER GIDEON ?	WEAVING LOOM	182-W	22			1	37	88	153	65
0062	E-2	BROWN MRS WM	WEAVING LOOM	182-W	15			1	50	90	152	62
0061	C-2	PARKS JANE	WEAVER	182-W	15			2	50	75	150	75
0062	C-1	GARRISON ?	WEAVING LOOM	182-W	10			1	38	90	150	60
0062	C-1	IRVINE MRS ALEXAN	WEAVING LOOM	182-W	12			1	38	100	150	50
0062	G-1	GUNTER WILLIAM	WEAVING FACTORY	182-W	20			1	25	70	150	80
0062	J-2	VANALLAN SARAH	WEAVING LOOM	182-W	10			1	150	96	146	50
0060	A-2	HAGERMAN MARGARET	HANDLOOM WEAVER	182-W	30			1	30	100	140	40
0061	B-1	FITCHETT ELEANOR	WEAVER	182-W	20			1	20	100	140	90
0061	B-2	MORRISON ELEANOR	WEAVER	182-W	10			1	20	100	140	40
0061	B-2	COOK CATHERINE	WEAVER	182-W	10			1	20	100	140	40
0062	A-1	DUNCAN CHARLOTTE	WEAVING LOOM	182-W	15			1	25	95	140	45
0062	E-2	MCNULLEN CATHERIN	WEAVING LOOM	182-W	15			1	37	80	140	60
0062	E-3	ALLEN ADAM	WEAVING LOOM	182-W	20			2	25	103	139	36
0062	A-1	RUFERT JOSEPH	WEAVING LOOM	182-W	12			1	25	82	138	56



CDID	CED	PROPRIOR	TYPEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0062	C-1	NICHOLSON DAVID	WEAVING LOOM	182-W	12			1	20	100	138	38
0061	C-2	WALKE ELIZA ANN	WEAVER	182-W	10			1	12	75	137	62
0062	D-1	DENY JOHN ?	WEAVING LOOM	182-W	20			1	80	82	135	53
0062	E-1	COULEY JANE	WEAVING SHOP	182-W	20			1	40	60	135	75
0062	C-1	ROLLINS GEORGE	WEAVING LOOM	182-W	12			1	25	100	132	32
0062	A-3	DEKUNE ROSANNA ?	WEAVING LOOM	182-W	20			1	25	75	126	51
0062	D-1	DOWNY JANE	WEAVING LOOM	182-W	20			1	38	48	125	77
0062	E-3	BEST ELIZA	WEAVING LOOM	182-W	20			1	18	91	121	30
0062	A-2	LIVINGSTON MARY A	WEAVING LOOM	182-W	25			1	25	75	120	45
0062	A-4	CUMMINGS PRESTON	WEAVING LOOM	182-W	15			1	25	88	120	32
0062	C-1	TRASK MRS ALLEN ?	WEAVING LOOM	182-W	10			1	25	70	120	50
0062	D-1	DOWNY ANDREW	WEAVING LOOM	182-W	20			1	75	90	120	30
0062	E-2	THOMPSON CAROLINE	WEAVING LOOM	182-W	20			1	12	75	120	45
0062	H	WILSON JAMES	WEAVING LOOM	182-W	10			1	300	84	120	36
0062	E-3	ALLEN MARY	WEAVING LOOM	182-W	24			1	25	97	118	21
0062	D-1	LENNON MAY ?	WEAVING LOOM	182-W	12			1	25	73	115	42
0062	A-1	RUNDLE JAMES ?	WEAVING LOOM	182-W	25			1	30	70	114	44
0062	E-3	HARRISON ALMIRA	WEAVING LOOM	182-W	30			1	18	89	114	25
0062	A-1	CUMMINGS GEORGE ?	WEAVING LOOM	182-W	15			1	18	68	112	44
0062	G-1	ARMSTRONG FOSTER	WEAVING FACTORY	182-W	15			2	50	50	110	60
0062	E-2	MARSHALL ELLEN	WEAVING LOOM	182-W	15			1	37	70	108	38
0062	D-1	DONNEAU JOHN ?	WEAVING LOOM	182-W	12			1	75	69	105	36
0062	A-1	FRANCIS JOHN	WEAVING LOOM	182-W	15			1	25	70	103	33
0061	A-3	KETCHESON R ?	HANDLOOM	182-W	20			1	20	61	100	39
0062	C-2	LEVEDY E ?	WEAVING LOOM	182-W	10			1	10	72	96	24
0062	E-2	ENGLISH CHARLES	WEAVING LOOM	182-W	20			1	37	60	96	36
0062	E-2	INKSTER ISABELLA	WEAVING LOOM	182-W	20			1	25	60	96	36
0061	B-4	MCCLAREN ELIZABETH	HANDLOOM	182-W	10			1	15	75	95	20
0061	C-2	MURPHY ELIZABETH	WEAVER	182-W	10			2	43	200	88	-112
0061	C-1	WAITE ELIZABETH ?	WEAVER SHOP	182-W	8			1	10	35	85	50
0062	F-1	LECKIE MARGARET ?	WEAVING LOOM	182-W	12			1	37	50	85	35
0061	C-1	DEBUCKLE MARGARET	WEAVER SHOP	182-W	8			1	10	35	80	45
0062	E-3	ROSE MRS GEORGE	WEAVING LOOM	182-W	30			1	15	60	77	17
0060	A-3	ROGERS CATHARINE	HANDLOOM	182-W	10			1	20	45	75	30
0062	C-2	ALEXANDER HARVEY	WEAVING LOOM	182-W	100			1	25	55	75	20
0062	A-1	PRESTON JAMES	WEAVING LOOM	182-W	25			1	13	45	72	27
0062	A-1	MIGHT JAMES	WEAVING LOOM	182-W	30			1	12	40	72	32
0062	A-2	MCCOURTNEY	WEAVING LOOM	182-W	15			1	50	35	72	37
0062	F-1	BAKER MRS J ?	WEAVING LOOM	182-W	15			1	25	55	72	17
0062	E-2	COOKE MRS A ?	WEAVING LOOM	182-W	20			1	25	38	70	32
0062	A-1	MCCURDY GORDON	WEAVING LOOM	182-W	6			1	18	49	66	17
0062	F-1	HICKS MRS F N	WEAVING LOOM	182-W	15			1	12	44	65	21
0062	G-1	CUTTLE CATHERINE	WEAVING FACTORY	182-W	10			1	13	23	64	41
0062	A-1	MERRICK ISAAC	WEAVING LOOM	182-W	6			1	10	40	60	20
0062	A-1	CHARD PEARL ?	WEAVING LOOM	182-W	12			1	12	35	60	25
0062	A-1	SCOTT HUGH	WEAVING LOOM	182-W	40			1	12	35	60	25
0062	A-4	HUBBLE W ?	WEAVING LOOM	182-W	13			1	12	38	60	22
0062	A-3	HASLETT MME	WEAVING LOOM	182-W	20			1	12	42	56	14
0062	E-2	ROBINSON E	WEAVING LOOM	182-W	15			1	12	40	56	16
0062	A-1	ADAMS JOHN	WEAVING LOOM	182-W	15			1	10	35	54	19
0062	B	LANGMERE R ?	WEAVING LOOM	182-W	40			1	25	31	53	22
0060	A-1	VANKOUGHNEILL CYNT	HANDLOOM WEAVING	182-W	20			1	24	20	50	30
0062	A-3	WELLS JOHN	WEAVER	182-W	25			1	25	24	50	26
0062	A-4	MCGHEE JOHN ?	WEAVING LOOM	182-W	5			1	8	25	49	24
0062	E-2	SHAW MRS WM	WEAVING LOOM	182-W	15			1	25	30	48	18
0062	A-1	HUBBLE B ?	WEAVING LOOM	182-W	15			1	10	30	47	17
0062	E-1	REED MINERVA	WEAVING SHOP	182-W	22			1	20	10	47	37
0062	A-3	CLARCY SUSAN	WEAVER	182-W	20			1	12	36	45	9
0062	A-3	RUSSELL ANNE	WEAVING LOOM	182-W	25			1	12	30	40	10
0062	F-1	LESLIE MRS ?	WEAVING LOOM	182-W	20			1	12	17	35	18
0062	E-2	BROWN SUSANNE	WEAVING LOOM	182-W	20			1	12	20	30	10
0062	A-1	MIGHT HENRY ?	WEAVING LOOM	182-W	18			1	10	10	20	10
0062	A-4	PRIRSON JAMES	WEAVING LOOM	182-W	12			1	12	10	20	10



## HASTINGS COUNTY: CLOTHING PRODUCERS, 1871

CDID	CED	PROPRIOR	TYPE/EST	SIC	FIXCAP	TYPE/POW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0060	C-2	MILLS	J H	243	300			22	2400	8000	18000	10000
0060	C-2	HAYNES	GEORGE	246	650			9	2500	8000	15500	7500
0060	C-2	WALTERS	THOMAS	242	1500			7	2000	6000	8000	2000
0060	C-2	ROBERTSON & HENRY	TAILORING EST	243	1100			6	1400	1100	8000	6900
0060	C-2	HOGG	JAMES	242	300			10	2000	4000	6500	2500
0060	C-2	MEUDELL	JAMES	246	200			3	850	3000	5000	2000
0060	B	MC CREADY	BERNARD	243	200			7	1800	2000	4300	2300
0060	C-3	HENBERRY	HENRY	244/249-M	200			10	600	1500	4000	2500
0060	A-1	MC DONALD	DAVID	242	75			3	480	2000	3900	1900
0060	B	SNIDER	CHARLES	243	150			2	800	2080	3328	1248
0062	B	BOLDRICK	JAMES	242	150			5	700	2000	2500	500
0062	F-1	TALMOND	MARY	249-M/244	50			3	200	1500	2300	800
0060	C-2	BELAIR	MRS	249-M	300			5	500	1000	2000	1000
0062	B	HAUGHTON	SARAH	244/249-M	60			5	384	1520	1992	472
0062	B	GILBERT	MRS E J	244/249-M	100			4	400	1200	1936	736
0060	A-1	STEPHENS	DAVID B	242	55			2	620	1040	1872	832
0060	A-1	WILLIAMSON	JOEL	249-M	65			1	112	1200	1800	600
0060	B	LAW	WILLIAM	243	75			3	600	1128	1752	624
0061	C-3	REID	JAMES	242	600			2	600	600	1750	1150
0062	E-1	MOUNCY	EDWARD	243	200			2	500	1000	1680	680
0062	B	MC KEOWN	JAMES	242	60			4	650	1190	1563	373
0060	A-1	WESE	MRS ELIZABE	242	50			2	170	940	1525	585
0060	C-2	COURTENAY	JOHN	249-M	30			6	600	600	1500	900
0060	A-1	VANKLEEK	AMANDA	244/249-M	40			2	200	1000	1350	350
0060	C-3	RUSSELL	MRS JOHAN	244	100			6	600	200	1300	1100
0062	B	MC CONNELL	ELIZABE	243	110			1	200	900	1050	150
0062	E-1	SINCLAIR	ELIZA	244	65			2	120	800	1040	240
0060	C-2	TEMPLETON	WILLIAM	242	200			1	480	500	1000	500
0060	C-3	DECK	ROBERT	242	400			6	500	300	1000	700
0061	C-2	MURPHY	PETER	242	75			3	600	400	1000	600
0061	C-3	WRAY	WILLIAM	242	500			2	400	400	1000	600
0062	B	STICKLES	CHARLES	249-M	60			4	250	476	700	224
0062	E-1	DRISCOLL	SIMON	243	40			1	318	250	650	400
0062	C-1	RANSON	SAMUEL ?	242	20			1	250	360	610	250
0061	C-1	ROBERTSON	JOHN	242	50			1	200	300	500	200
0060	C-3	TONERS	MISS	244/249-M	50			2	350	50	400	350
0060	C-3	YOUNG	MISS ELLEN	244	50			3	200	50	400	350
0060	C-4	BECKETT	MATILDA	242	40			1	150	230	400	170
0062	E-1	EASTWOOD	ANN	244	250			2	104	200	400	200
0060	A-2	PRIOR	AMANDA	242	55			1	72	300	372	72
0061	A-3	HUCK	MISS ?	244	100			2	81	200	350	150
0060	C-3	EDMONDS	A	243	50			1	200	50	300	250
0060	A-2	GERMAN	RUTH L	242	30			1	48	100	160	60
0060	B	KERR	MARGARE	249-M	.			1	72	20	100	80
									0	167	26261	55096
									8755	59684	114780	

## HASTINGS COUNTY: SAW MILLS AND WOOD PROCESSING, 1871

CDID	CED	PROPRIOR	TYPEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADDD
0060	B	GILMOUR & CO	SAW MILL	251	60000	STEAM	110	170	36000	154000	220000	66000
0061	B-1	RATHBUN H B & S	SAW MILL	251	50000	STEAM	150	311	39250	77900	140754	62854
0060	A-1	PAGE A S & CO	SAW MILL	251	20000	STEAM	120	125	30000	105000	140000	35000
0060	C-3	RATHBUN H B	SAW/SASH MILL	251	5000	WATER	80	42	3130	15000	24000	9000
0061	B-1	WALBRIDGE FRANCIS	SAW MILL	251	12000	WATER	10	16	3000	10000	20000	10000
0061	A-1	STINSON WILLIAM	SAW MILL	251	6000	WATER	40	15	3200	10000	19000	9000
0061	C-3	JAMIESON J	SAW MILL	251	1000	WATER	6	6	2200	10000	18000	8000
0060	C-2	FORRIN JOHN	CARPENTER/JOINER	259	5000	STEAM	50	13	2500	8000	18000	10000
0061	C-3	JELLYMAN JORDAN &	SAW MILL	251	6000	WATER	60	30	8000	8000	16000	8000
0061	A-2	SUTHERLAND ALEX	SAW MILL	251	10000	WATER	150	18	1882	7000	14000	7000
0061	A-2	REID OWEN	SAW MILL	251	8000	WATER	100	20	1200	9375	12400	3025
0061	A-3	BARNES JAMES	SAW MILL	251	1600	WATER	12	12	4000	2000	10000	8000
0060	C-3	DAVIS & MCRAB	SASH/BLIND FCY	254	15000	STEAM	125	45	2000	6000	10000	4000
0060	C-4	FLINT & YEAMANS	SAW MILL	251	4000	STEAM	40	11	2000	7000	10000	3000
0060	C-4	ROSS JAMES	SAW MILL	251	10000	STEAM	30	15	1170	6000	10000	3000
0060	A-1	LEWIS JOHN	SAW MILL	251	700	WATER	78	7	400	3000	6000	3000
0062	A-2	VANDERVOORT SAMUE	SAW MILL	251	4000	STEAM	30	7	3000	250	5000	4750
0060	C-4	FRINGEL ANDREW	SASH FY/PLANING	254	1000	W/S	10	4	1800	750	5000	4250
0060	C-4	GILBERT JOHN M	SASH/DOOR/BLIND	254	1200	WATER	10	4	1600	432	4300	3868
0060	C-4	REDICK & THOMPSON	SASH/DOOR/PLANIN	254	1000	WATER	25	2	300	3000	4000	1000
0061	B-2	MEAGHER THOMAS	SAW MILL	251	3000	WATER	20	6	1600	1950	3880	1930
0062	B	FEENEY JOSEPH	SASH/DOOR/BLIND	254	1000	WATER	20	4	1500	350	3800	3450
0060	C-2	WALTON GEORGE	SASH/DOOR/BLIND	254	1000	WATER	8	4	500	2580	3625	1045
0062	A-4	SEELY MARTIN	SAW/GRIST MILL	251/105	500	WATER	60	2	700	1000	2500	1500
0060	C-4	HARROLD JAMES	COOPER SHOP	259-C	3000	WATER	20	4	400	1500	2000	500
0061	B-1	SMITH D & APPELBY	SAW MILL	251	2400	WATER	16	6	700	800	1989	1189
0061	B-1	LAZIER STEPHEN A	SAW MILL	251	1800	WATER	20	3	300	968	1860	968
0062	D-1	BIGGS RICHARD	SAW MILL	251	1500	WATER	20	3	900	500	1800	1300
0062	D-1	PIERCE & SON	SAW MILL	251	700	WATER	30	1	286	1000	1600	600
0060	A-3	MORGAN DANIEL	SAW MILL	251	300	WATER	80	5	600	500	2000	1500
0060	C-4	REEVES WILLIAM	JOINER SHOP	254	500	WATER	20	4	400	1080	2000	920
0061	C-1	DUTTON HENRY ?	SAW MILL	251	2400	WATER	16	6	700	800	1989	1189
0062	F-2	THOMPSON DANIEL	SAW MILL	251	1000	STEAM	20	3	300	968	1860	968
0062	J-2	MCDAVITT WILLIAM	SHINGLE MILL	251-S	1500	WATER	20	3	900	500	1800	1300
0061	C-1	MCFARLANE WILLIAM	SHINGLE MILL	251-S	700	WATER	30	1	286	1000	1600	600
0062	E-3	CUMMINS J P	SAW MILL	251	3000	WATER	20	4	400	1000	1600	600
0062	A-3	HOWIE ROBERT	SAW MILL	251	250	WATER	50	4	500	1000	1600	600
0062	B	ACKENS JOHN	COOPER SHOP	259-C	200	WATER	20	2	700	300	1500	1200
0060	A-1	SHANON JOHN	SAW MILL	251	4000	STEAM	6	3	400	500	1500	1000
0061	A-3	CLAPP W & D	SAW MILL	251	3000	WATER	20	4	480	725	1360	635
0062	C-1	CUMMINS GEORGE	SAW MILL	251	1000	WATER	12	4	800	400	1200	800
0062	F-1	FLINT BELLA	SAW MILL	251	400	WATER	14	3	300	600	1200	600
0060	C-3	HOGG WILLIAM	CARPENTER SHOP	254	200	WATER	20	3	648	750	1200	750
0060	C-3	PAKE J & S	CARPENTER SHOP	254	250	WATER	20	2	200	100	900	800
0061	A-1	FRENCH IRA	STAVE FACTORY	251	700	STEAM	6	3	400	500	1500	1000
0060	A-3	VANDERWATER DANIE	SAW/SHINGLE MILL	251/251-S	4000	STEAM	5	6	300	725	1360	635
0061	A-3	LATTE G & G	SAW MILL	251	3000	WATER	12	4	800	400	1200	800
0060	A-1	PACKENHAM EDWARD	COOPER SHOP	259-C	1000	WATER	14	3	300	600	1200	600
0062	A-2	KETCHESON AARON	SAW MILL	251	700	WATER	20	3	648	750	1200	750
0062	E-2	O'HARRA JAMES	SAW MILL	251	200	WATER	20	2	200	100	900	800
0061	B-1	KENNEDY WILLIAM	COOPER SHOP	259-C	250	WATER	20	2	700	60	800	740
0060	B	DAFOE WILLIAM	COOPER SHOP	259-C	500	WATER	20	1	300	500	800	300
0062	A-1	PARKER FRANK B	SAW MILL	251	500	WATER	20	1	180	500	800	300
0062	C-2	KIRK CHARLES	SAW MILL	251	100	WATER	20	2	360	240	800	560
0062	D-1	ROSS LARRY ?	COOPER SHOP	259-C	200	WATER	15	1	150	360	720	360
0062	F-2	POWELL CHARLES	SAW MILL	251	250	WATER	20	1	310	300	700	400
0061	A-1	SILLS & BROS	SAW MILL	251	250	WATER	20	2	156	301	700	399
0061	C-2	WILSON & DORCAN ?	SAW MILL	251	400	WATER	20	2	120	315	700	385
0062	E-3	PRINGLE WILLIAM H	SAW MILL	251	230	WATER	20	3	240	300	640	544
0062	F-1	STREETS & SUGAR ?	SAW MILL	251	500	WATER	20	1	80	300	600	300
0062	E-1	O'BRIEN JAMES	COOPERAGE	259-C	200	WATER	20	1	60	400	600	300
0060	A-3	CARD JOSHUA P	SAW MILL	251	1000	STEAM	16	2	240	300	600	300
0061	C-1	LARANCH PETER	SAW MILL	251	1000	STEAM	16	2	240	300	600	300
0061	C-1	MCFARLANE WILLIAM	SAW MILL	251	1000	STEAM	16	2	240	300	600	300



CDID	CED	PROPRIOR	TYPE/EST	SIC	FIXCAP	TYPE/POW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0062	D-1	STEINBURGH ANSON	SAW MILL	251	100	WATER	8	1	312	250	560	310
0060	G-1	DULMAGE SAMUEL	SAW MILL	251	1100	WATER	100	2	150	175	560	385
0060	A-3	SARLES ROBERT ?	SAW MILL	251	1000	WATER	7	1	100	250	500	250
0062	D-1	AIRHART ADAM	SAW MILL	251	250	WATER	7	2	300	200	500	300
0062	E-1	TABOR SAMUEL	COOPERAGE	259-C	300	WATER	300	1	400	75	500	425
0062	J-2	WILSON & RIDDLE	SAW MILL	251	300	WATER	300	2	200	156	499	343
0062	E-1	FITZGERALD JOSEPH	WINDOW/DOOR FACT	254	80	WATER	80	1	400	50	450	400
0062	C-2	GRADY L ?	SAW MILL	251	200	WATER	200	2	240	300	420	120
0062	E-3	VANKLEEK PETER	SAW MILL	251	600	WATER	20	2	156	210	420	210
0062	C-1	FREDRICK HENRY ?	COOPER SHOP	259-C	20	WATER	20	1	250	100	400	300
0062	E-1	GILLESPIE THOMAS	COOPERAGE	259-C	100	WATER	100	1	250	80	390	310
0060	A-2	LAFAY JOHN	COOPER SHOP	259-C	68	WATER	68	1	150	90	375	285
0062	G-2	CANNIFF JOSEPH	SAW MILL	251	200	WATER	200	1	192	300	360	60
0061	C-1	SEXSMITH JOHN	SHINGLE SHOP	251-S	10	WATER	10	1	126	186	350	164
0062	D-1	MCKINNON D J	SAW MILL	251	800	WATER	20	1	180	150	290	140
0062	E-1	MUNRO HENRY	SHINGLE MF	251-S	20	WATER	20	1	216	40	200	200
0061	C-1	BOWEN BRITAIN ?	SHINGLE SHOP	251-S	10	WATER	10	1	120	75	195	120
0061	B-1	DAMON JAMES	COOPER SHOP	259-C	100	WATER	100	1	75	70	175	105
0061	C-1	BOWEN ROBERT	SHINGLE SHOP	251-S	8	WATER	8	1	90	70	175	105
0061	C-1	HENDERSON JOSHUA	SHINGLE SHOP	251-S	10	WATER	10	1	100	50	174	124
0061	C-1	SHAW WILLIAM	SHINGLE SHOP	251-S	10	WATER	10	1	40	45	164	119
0061	B-4	LUCAS AMOS	SHINGLES	251-S	30	WATER	30	1	96	30	160	130
0062	G-1	ELLIOTT JOHN P	SHINGLE FACTORY	251-S	3	WATER	3	4	150	5	150	145
0062	G-1	MCCONNELL JOSEPH	SHINGLE FACTORY	251-S	3	WATER	3	2	150	5	150	145
0061	C-1	BOWEN SANFORD	SHINGLE SHOP	251-S	10	WATER	10	1	90	45	145	100
0061	C-1	ALEXANDER ANDREW	SHINGLE SHOP	251-S	9	WATER	9	1	75	60	140	80
0061	C-1	DELINE URIAH ?	SHINGLE SHOP	251-S	10	WATER	10	1	80	50	136	86
0062	E-1	DUGAN ROBERT	SAW MILL	251	200	WATER	200	1	180	50	130	80
0062	G-1	DONALDSON CHARLES	SHINGLE FACTORY	251-S	5	WATER	5	1	80	10	127	117
0061	C-1	CRANKRIGHT JOHN	SHINGLE SHOP	251-S	6	WATER	6	1	60	50	125	75
0062	G-1	POUND GEORGE	SHINGLE FACTORY	251-S	10	WATER	10	2	80	125	125	115
0061	B-4	CROSS WILLIAM	SHINGLE SHOP	251-S	10	WATER	10	5	84	30	123	93
0062	E-2	MCCALLUM PETER	SAW MILL	251	830	WATER	16	1	50	80	120	40
0061	C-1	BOWEN JACOB	SHINGLE SHOP	251-S	15	WATER	15	1	40	36	105	69
0061	C-1	BOWEN JOHN	SHINGLE SHOP	251-S	8	WATER	8	1	120	45	100	55
0061	C-2	COLINS TIMOTHY	COOPER	259-C	5	WATER	5	1	80	10	100	75
0062	G-1	CLARK JOHN	SHINGLE FACTORY	251-S	5	WATER	5	1	80	5	100	95
0061	C-1	ANDERSON JOSEPH	SHINGLE SHOP	251-S	8	WATER	8	1	60	30	90	60
0061	B-4	LUCAS GEORGE	SHINGLE SHOP	251-S	15	WATER	15	1	54	15	75	60
0061	C-1	BEAMISH THOMAS ?	SHINGLE SHOP	251-S	10	WATER	10	1	50	20	75	55
0061	B-4	KELLY ROBERT	SHINGLE SHOP	251-S	5	WATER	5	2	48	18	68	50
0061	C-1	IRWIN JOHN	SHINGLE SHOP	251-S	10	WATER	10	1	30	21	65	44
0061	B-4	DAWSON GEORGE	SHINGLES	251-S	15	WATER	15	2	24	16	63	47
0061	B-4	JACKSON HENRY	SHINGLE SHOP	251-S	20	WATER	20	2	30	15	60	45
0061	B-4	MORRISON JOHN	SHINGLE SHOP	251-S	20	WATER	20	1	14	10	60	50
0061	B-4	LUCAS WILLIAM	SHINGLE SHOP	251-S	5	WATER	5	1	18	10	60	50
0061	C-1	LEVEQUE LOUIS	SHINGLE SHOP	251-S	10	WATER	10	1	20	13	57	44
0061	B-4	JORDAN JAMES	SHINGLE SHOP	251-S	10	WATER	10	1	20	18	38	38
0061	C-1	PRINGLE JOSEPH	SHINGLE SHOP	251-S	10	WATER	10	1	40	15	56	41
0061	B-4	GIBSON ROBERT	SHINGLE SHOP	251-S	12	WATER	12	1	24	10	53	43
0061	C-1	LOGAN JAMES	SAW MILL	251	100	WATER	12	1	20	20	50	30
0061	C-1	ALEXANDER WILLIAM	SHINGLE SHOP	251-S	10	WATER	10	1	20	12	46	34
0061	B-4	DOUGHERTY JOHN	SHINGLE SHOP	251-S	10	WATER	10	2	20	9	40	31
0061	C-1	LEVEQUE A ?	SHINGLE SHOP	251-S	8	WATER	8	1	35	9	40	31
0061	C-1	PHILLIPS JOHN	SHINGLE SHOP	251-S	8	WATER	8	1	12	25	39	14
0061	C-1	HENDERSON JOHN	SHINGLE SHOP	251-S	8	WATER	8	1	20	15	36	21
0061	B-4	JORDAN JOHN	SHINGLE SHOP	251-S	8	WATER	8	2	18	5	35	30
0061	C-1	CLARK JONAS	SHINGLE SHOP	251-S	8	WATER	8	1	25	9	35	26
0061	B-4	RYAN DENNIS	SHINGLE SHOP	251-S	5	WATER	5	1	13	10	32	22
0061	C-1	CARLTON THOMAS ?	SHINGLE SHOP	251-S	10	WATER	10	1	12	8	25	17
0061	C-1	ALEXANDER ROBERT	SHINGLE SHOP	251-S	8	WATER	8	1	10	6	19	13
0062	E-1	ROGERS ANDREW	SHINGLE FACTORY	251-S	10	WATER	10	1	140	8	18	10
										275063	2092	1168
										518456	864538	346082



# HASTINGS COUNTY: FURNITURE SHOPS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0060	C-2	BORNICK LEWIS	CABINET FACTORY	261	3000	WATER	30	32	3500	6000	25000	19000
0060	C-2	TICKELL GEORGE	UNDERTAKING	266/258	2000			5	1900	6000	10000	4000
0060	C-4	FROST FREDERI	CABINETMAKER	261	1100	WATER	30	11	3800	1400	7600	6200
0060	C-2	SAVAGE JOHN G	CABINET MANUFACT	261	700	WATER	40	5	1800	1200	4000	2800
0062	B	MARTIN WILLIAM	CABINET SHOP	261	1500	WATER	10	4	1000	1000	3080	2080
0061	B-1	PEGAN ROBERT F	CABINET SHOP	261	400			2	500	400	2000	1600
0062	E-1	MAYBEE MARSHALL	CABINET SHOP	261	600			2	720	720	1500	780
0062	F-1	FROST OLIVER C	CABINET FACTORY	261	1000	STEAM	12	4	800	350	1400	1050
0060	B	QUINLAN JAMES	CABINET SHOP	261	150	HORSE	1	2	700	84	1000	916
0062	C-2	MEME WILLIAM ?	CABINET SHOP	261	200			1	500	250	1000	750
0062	E-1	HEYWORTH JAMES	CABINET SHOP	261	70			1	360	60	600	540
0060	B	BLAIR JOHN	CABINET FACTORY	261	100			1	400	50	450	400
0061	A-3	MCNELLIS	CABINET SHOP	261	300			1	300	50	430	380
0060	A-1	MORSE WILLIAM ?	CABINET SHOP	261	80			2	200	40	300	260
0062	E-2	STOCKPORE AUGUSTU	CARPENTER SHOP	261	25			1	100	6	250	244
					11225		123	74	16580	17610	58610	41000

# HASTINGS COUNTY: METAL AND MACHINERY PRODUCTS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0060	C-1	BROWN G & J	MACHINE SHOP	311/315	50000	STEAM	40	45	11500	19000	35000	16000
0060	C-2	WALLBRIDGE W H	IRON FOUNDRY	311/315-B	25000	STEAM	45	25	10000	5000	30000	25000
0060	C-2	WALKER JAMES M &	FOUNDRY	311/315	10000	STEAM	15	31	10000	6500	30000	23500
0060	C-1	BURRILL ELLIS	AXE FACTORY	306-T	10000	WATER	40	25	8000	8000	26000	18000
0060	C-2	SMITH CHARLES	CHEESE VAT MF	304-T	1500			9	3600	7200	15000	7800
0062	F-1	WARREN V J	HAMMER FACTORY	306-T	3000	WATER	50	16	4000	4080	14000	9920
0060	B	SHEA W & ROBLIN J	FOUNDRY	315/311	5000	STEAM	20	23	6500	3500	12100	8600
0060	C-2	BARRETT JAMES	SEWING MACHINE F	315-S	1500	STEAM	6	16	4400	2000	9000	7000
0062	F-1	FLINT BELLA	SCYTHE FACTORY	306	4000	WATER	30	10	3500	3360	8200	4840
0060	C-2	LYONS H K	TINWARE/IRONWARE	304-T	300			5	1600	4000	8000	4000
0060	C-2	SMITH SAMUEL	TIN SHOP	304-T	4500			4	1200	3000	7500	4500
0061	B-1	RATHBUN H B & S	BLACKSMITH FORGE	315	1000			4	1300	4000	7000	3000
0062	E-1	SIMMONS R & DEAN	PUMP MANUFACTORY	315-P	1000			4	1168	240	6400	6160
0060	C-2	CHOWN GEORGE	TIN/SHEET IRON M	304-T	800			8	2750	3000	6000	3000
0060	B	SHEA WILLIAM	TIN/SHEET IRON F	304-T	1500			5	780	3350	5100	1750
0060	C-4	MARTIN CHARLES	FOUNDRY/MACHINER	315	2000	STEAM	10	7	3000	800	5000	4200
0060	C-2	LINKLATER THOMAS	TIN/IRONWARE	304-T	1000			4	1000	2000	4500	2500
0060	C-2	ADAMS GEORGE	TIN SHOP	304-T	200			4	1560	1000	4000	3000
0062	E-1	WHITE JOHN	FOUNDRY	311/307-S	5000	STEAM	15	6	1600	1000	4000	3000
0060	A-3	CODEY SAMUEL	CRADLE/RAKE FACT	306	1200	WATER		5	1500	300	3175	2875
0061	B-1	PEGAN ROBERT F	IRON FOUNDRY	307-S/311	1000	WATER	7	3	800	800	2880	2080
0062	E-1	DALE JOHN	TINSMITH WORKS	304-T	600			3	760	1200	2527	1327
0062	F-1	FLINT BELLA	FOUNDRY	311/307-S	2500	STEAM	12	113	900	840	2000	1160
0062	F-1	TURNER J W	TIN SHOP	304-T	600			2	640	800	1800	1000
0060	A-1	MILLER ISAAC S	PUMP SHOP	315-P	125	WATER	6	2	400	250	1600	1350
0060	B	BIGLOW CHARLES	TIN FACTORY	304-T	400			2	600	630	1500	870
0061	C-3	WHITE WILLIAM	TIN SHOP	304-T	800			1	600	562	1362	800
0060	A-1	LOHNE FRANKLIN ?	PUMP SHOP	315-P	200	HORSE	2	2	400	208	1215	1007
0061	B-1	DEWELL D N	TINSMITH SHOP	304-T	800			1	250	600	1100	500
0062	B	MARTIN DAVID	TIN SHOP	304-T	250			2	400	570	950	380
0062	B	WHITE JOHN	FOUNDRY	307-S/311	2700	STEAM	12	4	400	185	880	695
0060	A-2	CARR GEORGE	BLACKSMITH FORGE	311	300			2	500	205	800	595
0062	A-1	BENEDICT ?	BLACKSMITH SHOP	315	250			2	304	400	800	400
0062	C-1	MCLEGG ALLEN	FANNING MILL MF	311	400			1	300	75	600	525
0062	E-2	BROWN JOHN	BLACKSMITH SHOP	311	30			1	40	40	111	71
					139455		310	287	86252	88695	260100	171405

## HASTINGS COUNTY: CARRIAGE AND WAGON MAKERS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0060	C-3	VERMELTEA W H	CARRIAGE FACTORY	329	300			15	5200	3000	14000	11000
0060	C-2	BROWN & ST CHARLE	CARRIAGE FACTORY	329	3000			16	5000	2500	10000	7500
0060	C-2	POWELL WILLIAM	BLACKSMITH/WAGON	329/306	4000	WATER	30	10	2500	3500	9000	5500
0061	C-3	MCOWMAN ADAM	WAGONS/BLACKSMIT	329	2000			10	2100	1840	9000	7160
0061	A-2	ASHLEY CHARLES	CARRIAGE SHOP	329	1500	HORSE	2	17	2000	3000	7000	4000
0060	B	WILTSE & BOOTH	CARRIAGE FACTORY	329	400			8	3000	2700	6250	3550
0060	B	MORRISON W & I &	CARRIAGE FACTORY	329	300			8	2400	2700	6500	3300
0060	C-1	BAKER J WILLIAM	CARRIAGE FACTORY	329	1000			10	1500	2000	5000	3000
0061	A-3	HUDSON WILLIAM	CARRIAGE FACTORY	329	1000			8	1700	1500	5000	3500
0061	B-2	BRUEN & HAIGHT ?	CARRIAGE FACTORY	329	1500			7	2500	530	3970	3970
0062	B	WHEELER LYMAN	CARRIAGE FACTORY	329	1500			4	900	1600	2700	1100
0060	C-2	REEVES WILLIAM	CARRIAGE FACTORY	329	150			3	1200	1000	2500	1500
0062	B	FEENEY HUGH	WAGON SHOP	329	1000	WATER	20	3	900	950	2420	1470
0060	B	SWEET CORNELI	WAGON/BLACKSMITH	329/896	700			4	1200	800	2300	1500
0060	A-2	CONSAUL MARSHALL	BLACKSMITH SHOP	329-P	150			3	700	315	2200	1885
0062	B	FEENEY JOSEPH	CARRIAGE SHOP	329	1000	WATER	20	3	900	900	2120	1220
0060	C-3	CLARKE & EGLETO	CARRIAGES/BLACKS	329/896	500			5	720	300	2000	1700
0061	B-1	EASTON JOSEPH	CARRIAGE FACTORY	329	500			7	850	680	2000	1320
0062	E-1	REED STEPHEN	CARRIAGE MF	329	200			3	800	200	2000	1800
0062	B	HOUGH JOHN	BLACKSMITH/WAGON	329	230			3	500	850	1800	950
0061	A-3	CAVERLY PETER	CARRIAGE FACTORY	329	1000			2	750	437	1750	1313
0061	A-2	VERMELTEA SOLOMON	WAGON SHOP	329	1300	STEAM	20	4	1000	450	1550	1100
0062	F-1	FROST JOSEPH	WAGON SHOP	329	200			3	900	80	1500	1420
0062	E-1	CAVERLY JOSEPH	CARRIAGE MF	329	400			2	792	60	1340	1280
0061	C-3	WALLER JAMES	BLACKSMITH SHOP	329	400			1	468	300	1200	900
0061	C-3	BREEN JAMES	BLACKSMITH	329	500			2	508	400	1108	708
0060	A-1	CONSAUL JOHN A	WAGON SHOP	329-P	500			2	400	100	1000	900
0060	A-2	BARTLETT WILLIAM	CARRIAGE FACTORY	329	90			4	520	50	1000	950
0060	A-3	MCCRORY WILLIAM	BLACKSMITH SHOP	329	200			1	500	168	1000	832
0062	B	HEAGLE JAMES	BLACKSMITH SHOP	329	100			1	300	300	1000	700
0062	D-1	WARREN THOMAS	WAGON SHOP	329	50			2	400	20	1000	980
0061	B-1	WALSH EDWARD	BLACKSMITH FORGE	329	400			2	300	260	900	640
0060	C-3	CLARKE F ?	WAGON SHOP	329	200			1	400	100	850	750
0062	E-1	BRISTOL WELLINGTO	CARRIAGE MF	329	30			2	720	50	850	800
0062	E-1	ORR WILLIAM	CARRIAGE MF	329	450			2	620	80	850	770
0061	B-1	HAYSE JOHN	BLACKSMITH FORGE	329	200			2	400	260	800	540
0061	A-2	CLAPP ROBERT ?	WAGON SHOP	329	250	HORSE	1	1	450	50	750	700
0061	B-1	GEDDES ALEXANDER	BLACKSMITH FORGE	329	250			1	300	160	700	540
0061	B-2	CACY PATRICK ?	WHEELWRIGHT	329-P/315-H	100			2	500	50	700	650
0062	B	COLLINS J H	BLACKSMITH SHOP	329	50			2	500	300	700	400
0062	B	GIRDWOOD WILLIAM	WAGON SHOP	329	400			2	400	250	700	450
0060	B	JOHNSON MOSES	CARRIAGE SHOP	329	200			2	600	36	650	614
0062	B	MCCAULEY PATRICK	WAGON SHOP	329	50			1	360	150	650	500
0060	A-1	BYRAN GEORGE F ?	WAGON SHOP	329-P	300			1	300	100	600	500
0060	A-2	MOON JOHN	CARRIAGEMAKER	329	100			1	300	75	600	525
0060	B	POWERS JAMES	WAGON SHOP	329	200			1	500	84	600	516
0061	B-1	ROBLIN NATHAN	WAGON SHOP	329	200			1	300	36	600	564
0061	C-3	BENNETT JOSEPH ?	WAGONMAKER	329	100			2	475	48	600	552
0061	A-3	HINES ALBERT ?	WAGON SHOP	329	300			1	400	30	500	470
0061	B-1	RANDELL ANSEL B	CARRIAGE FACTORY	329	200			1	250	36	500	464
0062	C-1	IRVINE ALEXANDER	WAGONMAKER SHOP	329	400			1	300	75	500	425
0062	H	FARRELL THOMAS	WAGON SHOP	329	50			1	300	30	500	470
0061	B-1	VANDERVOORT JOHN	WAGON SHOP	329	100	STEAM	10	1	250	50	480	430
0062	C-2	LIASSTER JOHN	WAGON SHOP	329	125			1	276	100	400	300
0061	A-3	CASEY WILLIAM T	CARRIAGE SHOP	329	300			1	150	24	300	276
0061	C-1	MAINS JOHN	WAGON SHOP	329	50			1	150	75	300	225
0062	A-1	LINN WILLIAM	WAGON SHOP	329	100			1	150	25	250	225
									103	206	127068	91304
									30775	35764		



HASTINGS COUNTY: NON-METALLIC MINERALS AND CHEMICALS

CDID	CED	PROPRIOR	TYPEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0060	C-1	BELLEVILLE STONEWARE	STONEWARE	351-P	5000		.	7	3000	2800	16000	13200
0060	C-3	PHIPPEN J A	POTASH MANUFACTO	378-P	500		.	9	2500	7000	15500	8500
0060	C-3	PHIPPEN & GRAHAM	SOAP/CANDLE FACT	376	6000		.	4	1500	6000	15000	9000
0061	A-1	NEWBURY ROBERT	BRICK MANUFACTO	351-B	8000	HORSE	1	45	5400	275	13000	12725
0060	C-4	PHIPPEN JOHN A	POTASH MANUFACTO	378-P	4000		.	12	3600	2600	10000	7400
0060	A-1	DENMARK WILLIAM	BRICK YARD	351-B	4000		.	18	5000	220	8400	8180
0060	A-1	SIMMONS DAVID	POTASH WORKS	378-P	500		.	3	720	2850	4950	2100
0060	C-3	SIMPSON GEORGE	PLASTER MILL	359-P	3000	STEAM	20	4	1000	2000	4500	2500
0060	B	PURDY W RALPH	PLASTER MILL	359-P	3000	STEAM	25	3	450	2300	3900	1600
0060	C-3	MC MULLEN SIDNEY	MARBLE FACTORY	353	100		.	3	1200	1200	3500	2300
0060	C-2	STEPHIN & MOORE	MARBLE SHOP	353	800		.	3	1728	1000	3000	2000
0060	C-3	NEIL JAMES W	LIME KILN	358-L	200		.	5	1000	136	1350	1214
0061	C-1	HENRY BENJAMIN	POTASH WORKS	378-P	600		.	3	480	1300	750	550
0061	C-3	WRIGHT WILLIAM	ASHERY	378-P	250		.	2	450	725	1200	475
0061	A-1	STAPLEY EDWARD	LIME KILN	358-L	1000		.	7	2000	400	750	350
0062	A-2	SORTES ELIZA ?	POTASH FACTORY	378-P	200		.	2	600	170	750	580
0062	F-1	TUCKER FRANCIS	LIME KILN	358-L	60		.	1	144	234	355	121
0062	A-1	HELMORE RODNEY	BRICK KILN	351-B	50	HORSE	4	3	75	200	300	100
0062	C-1	MORTON THOMAS	POT ASHERY	378-P	100		.	1	90	80	250	170
0060	A-1	MCKILLOP DANIEL	LIME KILN	358-L	30		.	1	52	60	240	180
0060	A-1	VANNIER JAMES ?	LIME KILN	358-L	40		.	1	50	60	187	127
0062	A-1	COULS JAMES	LIME KILN	358-L	25		.	2	80	18	160	142
0061	C-3	CURRY ROBERT ?	LIME KILN	358-L	30		.	1	300	15	126	111
0061	A-3	SNIDER	LIME KILN	358-L	30		.	2	52	50	125	75
0060	A-1	O'NEIL JAMES	LIME KILN	358-L	70		.	1	50	20	90	70
0062	E-3	BACON SAMUEL	LIME KILN	358-L	30		.	2	30	18	80	62
0061	B-2	BOUGHLEY JAMES ?	LIME KILN	358-L	10		.	2	20	50	75	25
0062	A-1	RUPERT IRA	LIME KILN	358-L	18		.	1	60	9	69	60
0062	A-1	GREEN JOHN	LIME KILN	358-L	20		.	2	40	10	58	48
0062	A-1	HUBBLE PETER	LIME KILN	358-L	20		.	2	40	10	50	40
0062	E-2	SANFORD CHARLES	LIME KILN	358-L	10		.	2	30	20	50	30
0062	A-1	HAGERMAN JOHN	LIME KILN	358-L	60		.	2	8	25	40	15
0062	A-1	SHERMAN ANDREW	LIME KILN	358-L	20		.	1	20	8	28	20
0062	G-2	EDSON D ?	LIME KILN	358-L	5		.	1	16	3	25	22
					3778				31785	31316	105408	74092
						50	158					



## HASTINGS COUNTY: BLACKSMITHS

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUNRAWC	SUNPROC	VADD
0060	C-2	MC KAY	ALBX	896	200			3	1400	1200	4000	2800
0062	E-1	REED STEPHEN	BLACKSMITH SHOP	896	200				600	720	3000	2280
0062	E-1	BRISTOL WELLINGTON	BLACKSMITH SHOP	896	200			3	900	1000	2000	1000
0062	E-1	ORR WILLIAM	BLACKSMITH SHOP	896	400			2	620	200	2000	1800
0062	F-1	FROST JOSEPH	BLACKSMITH SHOP	896	200			3	1092	200	2000	1800
0062	E-1	CAVERLY JOSEPH	BLACKSMITH SHOP	896	400			2	516	360	1660	1300
0060	C-1	TURNER JEREMIA	BLACKSMITH FORGE	896	200			2	600	400	1600	1200
0060	B	MCMAHON JOHN	BLACKSMITH SHOP	896	75			2	630	564	1500	936
0060	C-2	MCIMMEL HENRY	CARRIAGE FACTORY	896	200			3	700	600	1500	900
0061	B-2	WEST JOHN	BLACKSMITH FORGE	896	150			2	700	300	1500	1200
0062	J-1	BURTON J & MCINNE	BLACKSMITH SHOP	896	40			2	450	140	1500	1360
0060	B	KNOX	BLACKSMITH SHOP	896	500			2	900	40	1400	1360
0061	A-3	WELBURN WILLIAM ?	BLACKSMITH FORGE	896	350			2	50	1300	1400	100
0061	B-2	KIRKPATRICK GEORG	BLACKSMITH FORGE	896	150	HORSE	1	3	600	240	1200	960
0062	A-1	MACK WILLIAM	BLACKSMITH SHOP	896	300			2	420	700	1200	500
0062	E-1	BROWN DAVID C	BLACKSMITH SHOP	896	200			2	612	84	1200	1116
0060	A-1	HOOPLE & MARSH ?	BLACKSMITH SHOP	896	150			2	900	200	1120	920
0062	A-2	WILSON ADAM	BLACKSMITH FORGE	896	200			2	500	300	1100	800
0061	C-2	CHAPMAN ALEXANDER	BLACKSMITH	896	400			2	500	186	1086	900
0060	C-2	BRADFORD DAVID	BLACKSMITH SHOP	896	500			2	700	250	1050	800
0061	A-2	NAYLOR THOMAS	BLACKSMITH	896	1200			2	600	63	1000	937
0061	A-3	JOHNSON WILLIAM	BLACKSMITH FORGE	896	150			2	450	100	1000	900
0061	E-1	EASTON JOSEPH	BLACKSMITH FORGE	896	400			2	400	80	1000	920
0061	B-2	DAWSON WILLIAM	BLACKSMITH FORGE	896	200			2	500	240	1000	760
0061	B-3	PALMER JAMES	BLACKSMITH FORGE	896	150			2	800	120	1000	880
0062	D-1	CLARMONT CHARLES	BLACKSMITH FORGE	896	160			2	300	100	1000	900
0062	D-1	NEWTON C ?	BLACKSMITH SHOP	896	100			1	400	100	1000	900
0062	E-2	ROBLIN W A	BLACKSMITH SHOP	896	150			1	384	87	1000	913
0062	F-2	VANKLEEK JOHN	BLACKSMITH SHOP	896	100			2	700	200	1000	800
0062	H	FARRELL THOMAS	BLACKSMITH FORGE	896	125			1	500	420	1000	580
0062	B	MATT JAMES	BLACKSMITH SHOP	896	150			1	600	300	950	650
0062	E-3	VANBRINE BURKE ?	BLACKSMITH SHOP	896	150			1	600	71	950	879
0060	A-1	SHARP JOSEPH	BLACKSMITH SHOP	896	100			2	490	300	900	600
0061	A-2	CANNIFF JONAS A	BLACKSMITH FORGE	896	150			2	700	40	900	860
0060	B	KEELER FREDERI	BLACKSMITH SHOP	896	150			2	600	200	830	630
0061	B-1	EARL WILLIAM	BLACKSMITH FORGE	896	700			1	360	80	800	720
0061	B-2	COLE HENRY	BLACKSMITH FORGE	896	100			2	400	175	800	625
0062	A-2	BUCK RICHARD	BLACKSMITH FORGE	896	150			2	450	150	800	650
0062	D-1	ARMSTRONG SIMON	BLACKSMITH FORGE	896	100			1	250	80	800	720
0061	C-2	MULRONEY THOMAS	BLACKSMITH	896	200			1	400	175	775	600
0062	B	JONES ROBERT	BLACKSMITH SHOP	896	70			1	468	200	750	550
0062	C-1	TULOCK DAVID	BLACKSMITH FORGE	896	200			1	500	100	720	620
0061	A-2	PALMER WELLINGTON	BLACKSMITH FORGE	896	400			2	400	170	700	530
0061	B-1	TRIPP RICHARD	BLACKSMITH FORGE	896	100			1	300	50	700	650
0061	C-1	GRAHAM THOMAS ?	BLACKSMITH SHOP	896	100			2	500	200	700	500
0062	F-2	WILSON JOHN	BLACKSMITH SHOP	896	80			1	500	200	700	500
0062	C-1	MULLET EDMUND	BLACKSMITH SHOP	896	80			1	300	175	650	475
0062	G-1	BIGELOW GEORGE	BLACKSMITH FORGE	896	175			1	400	240	640	450
0060	A-2	FRALICK GILBERT F	BLACKSMITH FORGE	896	65			2	360	150	600	450
0061	A-2	GUNSOLAS JOHN	BLACKSMITH FORGE	896	400			1	400	100	600	500
0061	A-3	MCKENZIE DANIEL	BLACKSMITH FORGE	896	300			1	200	300	600	300
0061	B-1	PEGAN ROBERT ?	BLACKSMITH FORGE	896	100			1	200	300	600	300

## HASTINGS COUNTY: BLACKSMITHS

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0061	C-1	HALBERT NATHANIEL	BLACKSMITH SHOP	896	100		.	1	400	150	600	450
0062	C-1	BENSEN JAMES	BLACKSMITH SHOP	896	50		.	1	300	120	600	480
0062	C-1	HOSKINS IRA	BLACKSMITH SHOP	896	300		.	1	400	160	600	440
0060	B	LAIRD JAMES	BLACKSMITH SHOP	896	50		.	1	400	145	550	405
0061	A-3	GILLESPIE	BLACKSMITH FORGE	896	200		.	2	372	70	550	480
0061	B-2	LENNOX ROBERT	BLACKSMITH FORGE	896	200		.	1	300	90	550	460
0061	B-3	DRIVER ALEXANDER	BLACKSMITH FORGE	896	100		.	2	400	60	550	490
0060	A-2	HOYLE JACOB S	BLACKSMITH FORGE	896	100		5	1	300	84	500	416
0061	A-2	PHILIPP GEORGE	BLACKSMITH FORGE	896	200	STEAM		1	300	80	500	420
0061	A-3	HONEYWELL	BLACKSMITH FORGE	896	150		.	1	300	50	500	450
0061	B-2	WARD WILLIAM	BLACKSMITH FORGE	896	200		.	1	250	75	500	425
0061	B-4	COLLINS JOHN	BLACKSMITH FORGE	896	100		.	1	300	150	500	350
0062	D-1	CLARMONT ELY	BLACKSMITH FORGE	896	80		.	1	150	50	500	450
0062	D-2	HOARD P ?	BLACKSMITH	896	30		.	1	240	20	500	480
0060	A-1	SUTTLE JOSEPH	BLACKSMITH SHOP	896	150		.	1	300	120	475	355
0062	C-1	GARRET HUGH	BLACKSMITH FORGE	896	50		.	1	300	65	450	385
0060	A-2	MILLER STEPHEN	BLACKSMITH FORGE	896	175		.	1	96	125	400	275
0061	B-1	MCNEIL WILLIAM	BLACKSMITH FORGE	896	200		.	1	300	65	400	335
0062	C-1	SEELY LYMAN	BLACKSMITH FORGE	896	60		.	1	300	65	400	335
0062	A-1	ANDREWS GEORGE C	BLACKSMITH SHOP	896	300		.	1	50	280	330	50
0061	B-4	DORAN CHARLES	BLACKSMITH FORGE	896	100		.	1	200	50	300	250
0061	C-2	DOLAN JOHN	BLACKSMITH	896	150		.	1	200	50	300	250
0062	A-1	SEELY JOHN	BLACKSMITH FORGE	896	200		.	1	208	72	300	228
0062	A-3	MUNRO PRESLEY	BLACKSMITH FORGE	896	40		.	1	300	20	300	280
0062	C-1	DEAN ADAM	BLACKSMITH SHOP	896	50		.	1	200	50	300	250
0062	J-2	GREEN PHILIP	BLACKSMITH SHOP	896	75		.	1	160	95	300	205
0062	E-3	HODGINS THOMAS	BLACKSMITH FORGE	896	116		.	1	260	10	289	279
0061	C-1	LATTICE HUGH	BLACKSMITH SHOP	896	50		.	1	200	40	250	210
0061	A-1	WOOLEY WARREN ?	BLACKSMITH SHOP	896	100		.	1	100	5	200	195
0062	A-1	LINN WILLIAM ?	BLACKSMITH SHOP	896	50		.	1	150	40	200	160
0062	C-2	FUMON C ?	BLACKSMITH SHOP	896	50		.	1	240	50	200	150
0062	E-3	COOPER HUGH	BLACKSMITH FORGE	896	40		.	1	75	11	150	139
					15736				35853	17167	72525	55358
					6				127			



## HASTINGS COUNTY: FIRMS USING INANIMATE POWER GE 25 HP, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0061	A-2	REID OWEN	SAW MILL	251	10000	WATER	150	18	1882	7000	14000	7000
0061	B-1	RATHBUN H B & S	SAW MILL	251	50000	STEAM	150	311	39250	77900	140754	62854
0060	C-4	FLINT & YEAMANS	SAW MILL	251	15000	STEAM	125	45	2000	6000	10000	4000
0060	A-1	PAGE A S & CO	SAW MILL	251	20000	STEAM	120	125	30000	105000	220000	35000
0060	B	GILMOUR & CO	SAW MILL	251	60000	STEAM	110	170	36000	154000	220000	66000
0061	A-3	BARNES JAMES	SAW MILL	251	80000	WATER	100	20	1200	9375	12400	3025
0062	G-1	DULMAGE SAMUEL	SAW MILL	251	11000	WATER	100	2	150	175	560	385
0061	B-1	WALBRIDGE FRANCIS	SAW MILL	251	5000	WATER	80	42	3130	15000	24000	9000
0061	C-1	DUTTON HENRY ?	SAW MILL	251	300	WATER	80	5	600	500	2000	1500
0062	A-2	VANDERVOORT SAMUE	SAW MILL	251	700	WATER	78	7	400	3000	6000	3000
0060	A-1	SILLS & BROS	PAPER MILL	271	110000	WATER	75	12	4000	3500	10000	6500
0061	B-1	WALBRIDGE F & EAR	GRIST/FLOUR MILL	105	10000	WATER	70	4	900	24000	32000	8000
0061	A-2	SUTHERLAND ALEX	SAW MILL	251	6000	WATER	60	30	8000	8000	16000	8000
0061	A-2	CORBY HARRY	GRIST MILL	105	12000	WATER	60	4	1100	25000	37500	12500
0061	B-1	SMITH D & APPLEBY	SAW MILL	251	3000	WATER	60	2	700	20000	21700	1700
0062	D-1	PIERCE & SON	FLOUR MILL	105	3000	WATER	60	1	300	1000	2400	1400
0062	D-1	PIERCE & SON	SAW MILL	251	1000	WATER	60	1	300	16250	19000	2750
0062	F-1	FLINT BELIA	FLOUR/GRIST MILL	105	12000	WATER	60	3	900	1000	2500	1500
0060	A-1	PACKENHAM EDWARD	FLOUR MILL	105	400	WATER	50	4	400	15000	17508	2508
0061	B-2	ROSS JOHN	CLOTH FACTORY	182	10000	WATER	50	24	4000	13000	25000	12000
0061	B-2	APPLEBY & GULLET	GRIST/FLOUR MILL	105	8000	WATER	50	2	800	20000	30000	10000
0061	C-3	JELLYMAN JORDAN &	SAW MILL	251	5000	STEAM	50	13	2500	8000	18000	10000
0062	F-1	WARREN V J	HAMMER FACTORY	306-T	3000	WATER	50	16	4000	4080	14000	9920
0062	F-1	FLINT BELIA	SAW MILL	251	400	WATER	50	4	500	1000	1600	600
0060	A-1	FORD PETER	PAPER MILL	271	400	WATER	45	11	2250	1500	10000	8500
0060	C-2	WALLBRIDGE W H	IRON FOUNDRY	311/315-E	25000	STEAM	45	25	10000	5000	30000	25000
0061	A-3	BARNES JAMES	GRIST MILL	105	8000	WATER	45	2	510	17500	18750	1250
0060	A-3	MORGAN DANIEL	GRIST MILL	105	4000	WATER	40	2	500	15000	19100	4100
0060	C-1	BURRILL ELLIS	AXE FACTORY	306-T	10000	WATER	40	23	8000	8000	26000	18000
0060	C-1	BROWN G & J	MACHINE SHOP	311/315	50000	STEAM	40	45	11500	19000	35000	16000
0060	C-2	SAVAGE JOHN G	CABINET MANUFACT	261	700	WATER	40	5	1800	1200	4000	2800
0060	C-4	BLECKER WILLIAM	FLOUR MILL	105	500	WATER	40	2	600	1000	14000	13000
0060	C-4	ROSS JAMES	SAW MILL	251	4000	STEAM	40	11	2000	7000	10000	3000
0061	A-2	CORBY HARRY	DISTILLERY	109-D	8000	WATER	40	6	1500	12000	20000	8000
0061	B-1	LAZIER STEPHEN A	SAW MILL	251	2000	WATER	40	2	700	1000	2500	1500
0061	C-3	EASTERBROOK GEORG	GRIST MILL	105	9450	WATER	40	3	1000	33000	35450	2450
0061	C-3	JAMIESON J	SAW MILL	251	6000	WATER	40	15	3200	10000	19000	9000
0061	B-1	SMITH DAVID	GRIST/FLOUR MILL	105	8000	WATER	36	5	900	24000	32000	8000
0061	B-4	CHISHOLM WILLIAM	GRIST MILL	105	6000	WATER	36	2	400	9000	12000	3000
0061	A-1	CANNIFF JAMES	FLOUR/GRIST MILL	105	15000	WATER	35	3	850	30000	32000	2000
0061	B-1	LAZIER STEPHEN A	GRIST/FLOUR MILL	105	8000	WATER	35	2	800	24000	32000	8000
0062	B	MACDOUGALL DUGALD	FLOUR/GRIST MILL	105	8000	WATER	35	4	1500	45000	63000	18000
0060	A-1	SHANON JOHN	SAW MILL	251	10000	STEAM	30	1	286	1000	1600	600
0060	A-1	LEWIS JOHN	SAW MILL	251	192	WATER	30	15	1170	3000	6000	3000
0060	A-1	CRASK WALTER	GRIST/FLOUR MILL	105	4000	WATER	30	2	2500	21260	23085	1825
0060	C-2	POWELL WILLIAM	BLACKSMITH/WAGON	329/306	4000	WATER	30	10	2500	3500	9000	5500
0060	C-2	BORNIC LEWIS	CABINET FACTORY	261	3000	WATER	30	32	3500	6000	25000	19000
0060	C-4	FROST FREDERI	CABINETMAKER	261	1100	WATER	30	11	3800	1400	7600	6200
0060	C-4	PRINGLE ANDREW	SASH FY/PLANING	254	4000	STEAM	30	7	3000	250	5000	4750
0061	A-2	LINGHAM WILLIAM ?	GRIST MILL	105	8000	WATER	30	5	1825	36468	39654	3186
0061	A-3	CRONK JACOB	GRIST MILL	105	6000	WATER	30	2	600	13500	15000	1500
0062	F-1	FLINT BELIA	SCYTHE FACTORY	306	4000	WATER	30	10	3500	3360	8200	4840
0062	I	CLEAK JAMES ?	GRIST MILL	105	2000	WATER	30	1	300	4000	6000	2000
0062	E-1	WELLINGTON JOHN W	FLOUR MILL	105	3500	WATER	28	4	800	21600	24400	2800
0060	A-1	GILL HENRY	BREWERY/MALT HOU	109-B	2500	WATER	25	6	978	2700	5600	2900
0060	A-1	SILLS & BROS	FLOUR/FEED MILL	105	2500	WATER	25	1	468	10000	11500	1500
0060	B	PURDY W RALPH	PLASTER MILL	359-P	3000	STEAM	25	3	450	2300	3900	1600
0061	A-1	FOARD JOHN	PAPER MILL	271	4500	WATER	25	10	600	2400	4500	2100
0061	A-2	BROWN ANDREW	TANNERY	172	300	STEAM	25	2	500	900	1250	350
0061	B-2	MEAGHER THOMAS	SAW MILL	251	1000	WATER	25	2	300	3000	4000	1000
					488242				3118	1160	215999	937618
										1433011	495393	



## HASTINGS COUNTY: FIRMS EMPLOYING 2+ FEMALES IN 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	FEMALE	WAGES	SUNRAWC	SUMPROC	VADD
0060	C-2	MILLS	J H	243	300	WATER	.	16	2400	8000	18000	10000
0061	B-2	ROSS JOHN	CLOTH FACTORY	182	10000	WATER	50	16	4000	13000	25000	12000
0060	C-2	TERWILLIGER A M ?	BOOT/SHOE MF	174	3000		.	10	2500	6000	12000	6000
0060	C-3	HENBORRY	DRESSMAKER/MILLI	244	200		.	10	600	1500	4000	2500
0060	C-2	HAMBY	PHILLIP BAKERY/CONFECTIO	107	15000		.	8	1560	3000	10000	7000
0060	C-2	HOGG	JAMES	242	300		.	8	2000	4000	6500	2500
0060	C-1	LAZIER	JOHN	182	8000	WATER	20	6	1950	8000	10000	2000
0060	C-3	RUSSELL MRS JOHAN	DRESSMAKER	244	100		.	6	600	200	1300	1100
0060	C-2	BORNICK LEWIS	CABINET FACTORY	261	3000	WATER	30	5	3500	6000	25000	19000
0060	C-2	COURTENAY JOHN	MILLINERY/DRESSM	249-M	30		.	5	600	600	1500	900
0060	C-2	BELAIR MRS	MILLINERY EST	249-M	300		.	5	500	1000	2000	1000
0062	B	HAUGHTON SARAH	MILLINER EST	244	60		.	5	384	1520	1992	472
0060	C-2	WALTERS THOMAS	TAILORING EST	242	1500		.	4	2000	6000	8000	2000
0060	C-2	ROBERTSON & HENRY	TAILORING EST	243	1100		.	4	1400	1100	8000	6900
0060	C-2	HAYNES GEORGE	HATER/FURRIER	246	650		.	4	2500	8000	15500	7500
0060	C-3	DECK	ROBERT	242	400		.	4	500	300	1000	700
0062	B	STICKLES CHARLES	TAILOR SHOP	249-M	60		.	4	250	476	700	224
0062	B	GILBERT MRS E J	MILLINERY EST	249-M	100		.	4	400	1200	1936	736
0062	C-1	MOIRA ?	MILLINERY/DRESSM	244	100		.	4	400	1200	1936	736
0060	B	MCREADY BERNARD	CHEESE FACTORY	104	4248		.	4	1880	13620	17869	4249
0060	C-2	ABBOTT GEORGE	CLOTHING EST	243	200		.	3	1800	2000	4300	2300
0060	C-2	YOUNG MISS ELLEN	BAKER/CONFECTIO	107	450		.	3	3600	8000	12000	4000
0061	A-3	WARD ALBERT	SEAMSTRESS	244	50		.	3	200	50	400	350
0061	B-1	MCFAREN BRIDGET	CHEESE FACTORY	104	3000		.	3	1200	21661	24929	3268
0062	F-1	TALMOND MARY	WEAVER	182-W	20		.	3	145	1000	1400	400
0060	A-1	FORD PETER	DRESSMAKER/MILLI	249-M	50		.	3	200	1500	2300	800
0060	A-1	SILLS & BROS	PAPER MILL	271	400	WATER	45	2	2250	1500	10000	8500
0060	A-1	MCNEIL MISS MARY	PAPER MILL	271	11000	WATER	75	2	4000	3500	10000	6500
0060	A-1	MCDONALD ANN JANE	HANDLOOM WEAVING	182-W	70		.	2	60	325	480	155
0060	A-1	MCDONALD DAVID	HANDLOOM WEAVING	182-W	75		.	2	40	750	1200	450
0060	A-1	VANKLEEK AMANDA	TAILOR SHOP	244	40		.	2	200	2000	3900	1900
0060	A-1	WEESSE MRS ELIZABE	MILLINER SHOP	244	50		.	2	200	1000	1350	350
0060	A-1	WHITE RACHAEL	TAILOR SHOP	242	50		.	2	170	940	1525	585
0060	A-1	FINKLE M & A	HANDLOOM WEAVING	182-W	15		.	2	120	600	1280	680
0060	A-1	MARSHALL C & M	HANDLOOM WEAVING	182-W	20		.	2	40	160	290	130
0060	A-2	VANDERVOORT WILLI	CHEESE FACTORY	104	30		.	2	36	140	305	165
0060	A-2	HOGLE ADALINE	HANDLOOM WEAVER	182-W	500		.	2	126	2973	3575	602
0060	A-2	WESTOVER JANE	HANDLOOM WEAVER	182-W	20		.	2	50	500	610	110
0060	B	YOUNG GEORGE	HANDLOOM WEAVER	182-W	30		.	2	96	425	595	170
0060	C-2	CARMAN J W & C	PRINTING/OFFICE	289	3600		.	2	1900	460	3000	2540
0060	C-2	DICKENS WILLIAM	CONFECTIONER SHO	108-C	5000	STEAM	3	2	3000	4000	10000	6000
0060	C-3	TONERS MISS	MILLINERY	244	1000		.	2	1050	3800	10400	6600
0061	A-2	ASHLEY CHARLES	CARRIAGE SHOP	329	50	HORSE	2	2	350	50	400	350
0061	A-3	HUCK MISS ?	MILLINERY EST	244	1500		.	2	2000	3000	7000	4000
0061	B-2	BLASON & GOULD ?	CHEESE FACTORY	104	1200		.	2	81	200	350	150
0061	C-1	NEWTON RICHARD	CHEESE FACTORY	104	3200		.	2	150	6700	7800	1100
0061	C-2	CARLETON ANN	WEAVER	182-W	25		.	2	1200	9000	11096	2096
0061	C-2	MURPHY PETER	WEAVER	182-W	75		.	2	200	175	400	225
0061	C-2	PARIS JANE	WEAVER	182-W	15		.	2	600	400	1000	600
0061	C-2	MCCAMON PRISCILLA	WEAVER	182-W	15		.	2	50	75	150	75
0061	C-2	BADGLEY ABIGAIL	WEAVER	182-W	25		.	2	104	300	404	104
0061	C-2	MURPHY ELIZABETH	WEAVER	182-W	10		.	2	43	200	88	-112

## HASTINGS COUNTY: FIRMS EMPLOYING 2+ FEMALES IN 1871

CDID	CED	PROPRIOR	TYPEST	SIC	FIXCAP	TYPEPOW	FORCE	FEMALE	WAGES	SUMRAWC	SUMPROC	VADD
0061	C-2	DURHAM MARY ANN	WEAVER	182-W	15		.	2	54	252	433	181
0061	C-2	MCGRATH ANN	WEAVER	182-W	20		.	2	57	230	402	172
0061	C-2	SMITH ELLEN	WEAVER	182-W	80		.	2	50	287	380	93
0061	C-2	FIMBLE HANNAH ?	WEAVER	182-W	9		.	2	50	340	390	50
0061	C-2	PARKS CYNTHIA	WEAVER	182-W	15		.	2	50	147	200	53
0061	C-3	LAWRENCE ROBERT	CHEESE FACTORY	104	2000	HORSE	1	2	1092	21000	32000	11000
0062	B	BOLDRICK JAMES	TAILOR SHOP	242	150		.	2	700	2000	2500	500
0062	B	MCKEOWN JAMES	TAILOR SHOP	242	60		.	2	650	1190	1563	373
0062	C-1	REED MRS N ?	WEAVING LOOM	182-W	12		.	2	75	260	360	100
0062	C-2	GARY MISS ?	WEAVING LOOM	182-W	40		.	2	125	540	680	140
0062	E-1	SINCLAIR ELIZA	DRESS MAKING EST	244	65		.	2	120	800	1040	240
0062	E-1	EASTWOOD ANN	DRESS MAKING EST	244	250		.	2	104	200	400	200
0062	E-2	ELLIOTT ANN	WEAVING LOOM	182-W	18		.	2	50	229	300	71
0062	E-3	YOUNG CATHERINE	WEAVING LOOM	182-W	10		.	2	100	277	365	88
0062	E-3	BACON ROBERT	WEAVING LOOM	182-W	24		.	2	45	139	175	36
0062	E-3	HYLAND SARAH	WEAVING LOOM	182-W	15		.	2	75	121	207	86
0062	E-3	LONY CATHERINE ?	WEAVING LOOM	182-W	20		.	2	75	321	440	119
0062	E-3	BOND MARY	WEAVING LOOM	182-W	20		.	2	20	273	342	69
0062	E-3	BIRLEY SARAH ?	WEAVING LOOM	182-W	18		.	2	40	127	164	37
0062	E-3	MOORCUPP SARAH ?	WEAVING LOOM	182-W	20		.	2	50	125	184	59
0062	G-2	JACKSON A ?	WEAVER SHOP	182-W	24		.	2	120	610	740	130
0062	J-1	WETSEL JOANNA ?	WEAVING LOOM	182-W	15		.	2	250	660	1000	340
					83088		226	244	59067	191528	347689	156161

## HASTINGS COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0062	A-1	?	WEAVING LOOM	182-W	20			1	75	100	200	100
0060	C-2	ABBOTT GEORGE	BAKER/CONFECTION	107/108-C	450			13	3600	8000	12000	4000
0062	B	ACKENS JOHN	COOPER SHOP	259-C	700			3	600	400	1800	1400
0060	C-2	ADAMS GEORGE	TIN SHOP	304-T	200			4	1560	1000	4000	3000
0062	A-1	ADAMS JOHN	WEAVING LOOM	182-W	15			1	10	35	54	19
0062	D-1	AIRHART ADAM	SAW MILL	251	250	WATER	7	2	300	200	500	300
0061	C-1	ALEXANDER ANDREW	SHINGLE SHOP	251-S	9			1	75	60	140	80
0062	C-2	ALEXANDER HARVEY	WEAVING LOOM	182-W	100			1	25	55	75	20
0061	C-1	ALEXANDER ROBERT	SHINGLE SHOP	251-S	8			1	10	6	19	13
0061	C-1	ALEXANDER WILLIAM	SHINGLE SHOP	251-S	10			1	20	12	46	34
0060	C-1	ALFORD WILLIAM	BOOT/SHOE SHOP	174	300			2	300	600	2000	1400
0060	B	ALLAN DAVID	BAKERY/CONFECTION	107/108-C	61			1	300	1700	2120	420
0062	E-3	ALLEN ADAM	WEAVING LOOM	182-W	20			2	25	103	139	36
0062	E-3	ALLEN MARY	WEAVING LOOM	182-W	24			1	25	97	118	21
0061	C-1	ANDERSON JOSEPH	SHINGLE SHOP	251-S	8			1	60	30	90	60
0062	A-1	ANDREWS GEORGE C	BLACKSMITH SHOP	896	300			1	50	280	330	50
0061	B-2	APPLEBY & GULLET	GRIST/FLOUR MILL	105	8000	WATER	50	2	800	20000	30000	10000
0062	G-1	ARMSTRONG FOSTER	WEAVING FACTORY	182-W	15			2	50	50	110	60
0062	D-1	ARMSTRONG SIMON	BLACKSMITH FORGE	896	100			1	250	80	800	720
0061	A-2	ASHLEY CHARLES	CARRIAGE SHOP	329	1500	HORSE	2	17	2000	3000	7000	4000
0062	E-1	ATKINS WILLIAM	BOOT/SHOE SHOP	174	50			3	1200	936	3510	2574
0062	E-3	BACON ROBERT	WEAVING LOOM	182-W	24			2	45	139	175	36
0062	E-3	BACON SAMUEL	LIME KILN	358-L	30			2	30	18	80	62
0061	C-1	BADGELY NANCY ?	WEAVER SHOP	182-W	8			1	30	160	350	190
0061	C-2	BADGLEY ABIGAIL	WEAVER	182-W	25			2	104	300	404	104
0060	B	BAIRD ROBERT	WEAVING EST	182-W	20			1	150	430	820	390
0060	C-1	BAKER J WILLIAM	CARRIAGE FACTORY	329	1000			10	1500	2000	5000	3000
0062	F-1	BAKER MRS J ?	WEAVING LOOM	182-W	15			1	25	55	72	17
0062	B	BARLOW JESSE	TANNERY	172	500	HORSE	1	3	1000	1600	3000	1400
0061	A-3	BARNES JAMES	SAW MILL	251	8000	WATER	100	20	1200	9375	12400	3025
0061	A-3	BARNES JAMES	GRIST MILL	105	8000	WATER	45	2	510	17500	18750	1250
0060	A-3	BARNUM SIMON	GRIST MILL	105		WATER		2	900	15000	32000	17000
0060	C-2	BARRETT JAMES	SEWING MACHINE F	315-S	1500	STEAM	6	16	4400	2000	9000	7000
0062	A-2	BARTEN MARY	WEAVING LOOM	182-W	50			1	87	275	365	90
0062	A-2	BARTEN SARAH	WEAVING LOOM	182-W	20			1	87	260	350	90
0060	A-2	BARTLETT WILLIAM	CARRIAGE FACTORY	329	90			4	520	50	1000	950
0061	C-1	BEAMISH THOMAS ?	SHINGLE SHOP	251-S	10			1	50	20	75	55
0062	C-2	BEATTIE M	WEAVING LOOM	182-W	20			1	75	240	320	80
0061	C-3	BEATTY ANNA	WEAVER	182-W	35			1	175	200	350	150
0060	C-2	BECKETT PAUL	HARNESS SHOP	179-S	200			5	2000	1500	4000	2500
0060	C-4	BECKETT MATILDA	TAILORING	242	40			1	150	230	400	170
0061	B-1	BECKWITH ALMIRA	WEAVER	182-W	40			1	60	350	660	310
0060	C-2	BELEK SAMUEL ?	MILLINERY EST	109-S	300			5	500	1000	2000	1000
0060	A-1	BELL CATHERINE	SODA FACTORY	182-W	1200			1	400	300	2000	1700
0062	B	BELL THOMAS ?	HANDLOOM	182-W	6			1	15	80	180	100
0060	C-3	BELLEVILLE GAS CO	GAS WORKS	574	12			1	25	88	156	68
0060	C-1	BELLEVILLE STONEWARE	STONEWARE	351-P	35000			4	1300	1800	7700	5900
0062	A-1	BELSEAU ROBERT ?	WEAVING LOOM	182-W	25			1	37	160	201	41
0062	A-1	BENEDICT ?	BLACKSMITH SHOP	315	250			2	304	400	800	400
0061	C-2	BENNETT BERNARD	SHOEMAKER	174	300			4	800	1000	2500	1500



## HASTINGS COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0061	C-3	BENNETT JOSEPH ?	WAGONMAKER	329	100		.	2	475	48	600	552
0062	C-1	BENSEN JAMES	BLACKSMITH SHOP	896	50		.	1	300	120	600	480
0062	E-3	BEST ELIZA	WEAVING LOOM	182-W	20		.	1	18	91	121	30
0062	E-3	BEST MARGARET	WEAVING LOOM	182-W	25		.	1	37	205	270	65
0060	B	BIGELOW CHARLES	TIN FACTORY	304-T	400		.	2	600	630	1500	870
0062	G-1	BIGELOW GEORGE	BLACKSMITH FORGE	896	175		.	1	400	240	640	400
0062	G-1	BIGELOW PRUDENCE	WEAVING FACTORY	182-W	12		.	1	104	150	360	210
0062	A-3	BIRKET FLORA ANN	WEAVER	182-W	20		.	1	75	264	380	116
0062	E-3	BIRLEY SARAH ?	WEAVING LOOM	182-W	18		.	2	40	127	164	37
0060	C-3	BLAIND WILLIAM	PAINTER SHOP	421-D	300		.	4	1500	500	3500	3000
0060	B	BLAIR JOHN	CABINET FACTORY	261	100		.	1	400	50	450	400
0061	B-2	BLASON & GOULD ?	CHEESE FACTORY	104	1200		.	1	1200	6700	7800	1100
0060	C-4	BLECKER WILLIAM	FLOUR MILL	105	500	WATER	40	2	600	1000	14000	13000
0062	B	BOLDRICK JAMES	TAILOR SHOP	242	150		.	5	700	2000	2500	500
0062	E-3	BOND MARY	WEAVING LOOM	182-W	20		.	2	20	273	342	69
0062	J-2	BOOR ALEXANDER	WEAVING LOOM	182-W	10		.	1	300	150	224	74
0062	A-2	BORDON SAMUEL	WEAVING LOOM	182-W	15		.	1	87	175	270	95
0060	C-2	BORNICK LEWIS	CABINET FACTORY	261	3000	WATER	30	32	3500	6000	25000	19000
0060	C-4	BORROW PATRICK	FLOUR/FEED MILL	105	500	STEAM	5	1	720	1000	14000	13000
0061	B-2	BOUGHLEY JAMES ?	LIME KILN	358-L	10		.	2	20	50	75	25
0060	C-2	BOWELL MACKENZ	PRINTING EST	289	6000		.	14	5000	3000	12000	9000
0061	C-1	BOWEN BRITAIN ?	SHINGLE SHOP	251-S	10		.	1	120	75	195	120
0061	C-1	BOWEN JACOB	SHINGLE SHOP	251-S	15		.	1	40	36	105	69
0061	C-1	BOWEN JOHN	SHINGLE SHOP	251-S	8		.	1	120	45	100	55
0061	C-1	BOWEN ROBERT	SHINGLE SHOP	251-S	8		.	1	90	70	175	105
0061	C-1	BOWEN SANFORD	SHINGLE SHOP	251-S	10		.	1	90	45	145	100
0060	C-2	BRADFORD DAVID	BLACKSMITH SHOP	896	500		.	2	700	250	1050	800
0062	F-1	Bragg John	TANNERY	172	800	WATER	20	3	882	2200	4000	1800
0061	C-3	BREADY L ?	HANDLOOM	329	30		.	1	180	175	400	225
0061	C-3	BREEN JAMES	BLACKSMITH	329	500		.	2	508	400	1108	708
0061	A-2	BRENTON FRANCIS	UNION CHEESE CO	104	3000		.	4	750	12469	14885	2416
0062	D-1	BRIGGS RICHARD	SAW MILL	251	500	WATER	20	1	150	2000	2500	500
0062	E-1	BRISTOL WELLINGTO	CARRIAGE MF	329	30		.	2	720	50	850	800
0062	E-1	BRISTOL WELLINGTO	BLACKSMITH SHOP	896	200		.	3	900	1000	2000	1000
0062	E-1	BROOKS GEORGE M	BAKING ESTABLISH	107	200		.	2	384	702	900	198
0060	C-1	BROWN G & J	MACHINE SHOP	311/315	50000	STEAM	40	45	11500	19000	35000	16000
0060	C-2	BROWN WILLIAM	BOOT/SHOE SHOP	174	150		.	6	500	400	1800	1400
0060	C-2	BROWN & ST CHARLE	CARRIAGE FACTORY	329	3000		.	16	5000	2500	10000	7500
0061	A-2	BROWN ANDREW	TANNERY	172	300	STEAM	25	2	500	900	1250	350
0062	E-1	BROWN DAVID C	BLACKSMITH SHOP	896	200		.	2	612	84	1200	1116
0061	C-2	BROWN JOHN	SHOEMAKER	174	100		.	1	400	200	600	400
0062	E-2	BROWN JOHN	BLACKSMITH SHOP	311	30		.	1	40	40	111	71
0062	D-1	BROWN MRS J ?	WEAVING LOOM	182-W	12		.	1	75	300	400	100
0062	E-2	BROWN MRS WM	WEAVING LOOM	182-W	15		.	1	50	90	152	62
0062	E-2	BROWN SUSANNE	WEAVING LOOM	182-W	20		.	1	12	20	30	10
0061	B-2	BRUEN & HAIGHT ?	CARRIAGE FACTORY	329	1500		.	7	2500	530	4500	3970
0060	B	BRYANT & HUGHES	BOOT/SHOE FACTOR	174	150		.	3	1000	651	1850	1199
0062	B	BRYDON ANDREW	BAKERY	107	100		.	1	312	750	1365	615
0061	B-4	BRYSON OWEN	HANDLOOM	182-W	14		.	1	100	50	600	550
0062	A-2	BUCK RICHARD	BLACKSMITH FORGE	896	150		.	2	450	150	800	650
0060	C-1	BURRILL ELLIS	AXE FACTORY	306-T	10000	WATER	40	25	8000	8000	26000	18000

## HASTINGS COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0062	J-1	BURTON J & MCINNE	BLACKSMITH SHOP	896	40			2	450	140	1500	1360
0060	A-1	BYRAN GEORGE F ?	WAGON SHOP	329-P	300			1	300	100	600	500
0061	B-2	CACY PATRICK ?	WHEELWRIGHT	329-P/315-H	100			2	500	50	700	650
0062	B	CALDWELL SYLVEST	HARNESS SHOP	179-S	500			2	500	1170	1950	780
0062	D-1	CAMPBELL JAMES	WEAVING LOOM	182-W	16			1	80	80	165	85
0061	B-4	CANDON BRIDGET	HANDLOOM	182-W	12			1	30	150	190	40
0061	A-1	CANNIFF JAMES	FLOUR/GRIST MILL	105	15000	WATER	35	3	850	30000	32000	2000
0061	A-2	CANNIFF JONAS	GRIST MILL	105	5000	WATER	20	2	700	16440	17292	852
0061	A-2	CANNIFF JONAS A	BLACKSMITH FORGE	896	150			2	700	40	900	860
0062	G-2	CANNIFF JOSEPH	SAW MILL	251	200	WATER	10	1	192	300	360	60
0062	G-2	CANNIFF JOSEPH	GRIST MILL	105	1000	WATER	15	1	192	2250	2437	187
0060	C-2	CAPLAND JAMES	SADDLE/HARNESS M	179-S	100			3	500	450	2000	1550
0060	A-3	CARD JOSHUA P	SAW MILL	251	500	WATER		1	80	300	600	300
0061	C-2	CARLETON ANN	WEAVER	182-W	25			2	200	175	400	225
0061	C-3	CARLETON JOHN	SHOE SHOP	174	360			3	735	1300	2435	1135
0061	C-3	CARLETON JOHN F	HARNESS SHOP	179-S	200			4	1130	1200	2800	1600
0061	C-1	CARLTON THOMAS ?	SHINGLE SHOP	251-S	10			1	12	8	25	17
0060	C-2	CARRMAN J W & C	PRINTING/BINDING	289/287-B	5000	STEAM	3	17	3000	4000	10000	6000
0060	A-2	CARR GEORGE	BLACKSMITH FORGE	311	300			2	500	205	800	595
0061	C-3	CARR MRS	WEAVER	182-W	18			1	80	400	560	160
0061	A-3	CASEY WILLIAM T	CARRIAGE SHOP	329	300			1		24	300	276
0062	A-3	CASSIDY JOHN	WEAVER	182-W	15			1	125	180	300	120
0060	A-2	CAVERLY JOHN K	CIDER PRESS	109-C	350	HORSE	2	3	84	196	700	504
0062	E-1	CAVERLY JOSEPH	CARRIAGE MF	329	400			2	792	60	1340	1280
0062	E-1	CAVERLY JOSEPH	BLACKSMITH SHOP	896	400			2	516	360	1660	1300
0060	A-3	CAVERLY LUCY	HANDLOOM	182-W	25			1	100	450	550	100
0061	A-3	CAVERLY PETER	CARRIAGE FACTORY	329	1000			2	750	437	1750	1313
0062	E-2	CHAMBERS JOSEPH	SHOEMAKER	174	20			1	75	18	125	107
0061	C-2	CHAPMAN ALEXANDER	BLACKSMITH	896	400			2	500	186	1086	900
0060	A-1	CHAPMAN JOHN	SHOE/BOOT SHOP	174	600			4	1200	1200	3500	2300
0062	A-1	CHARD PEARL ?	WEAVING LOOM	182-W	12			1	12	35	60	25
0062	F-1	CHARTRES MRS ?	WEAVING LOOM	182-W	20			1	75	258	390	132
0061	B-4	CHISHOLM WILLIAM	GRIST MILL	105	6000	WATER	36	2	400	9000	12000	3000
0060	C-2	CHOWN GEORGE	TIN/SHEET IRON M	304-T	800			8	2750	3000	6000	3000
0062	E-1	CHRISTIE JOHN	PHOTOGRAPHIC GAL	893	400			1	180	100	400	300
0061	A-2	CLAPP ROBERT ?	WAGON SHOP	329	250	HORSE	1	1	450	50	750	700
0061	A-3	CLAPP W & D	SAW MILL	251	3000	WATER		2	320	900	1600	700
0062	A-3	CLARCY SUSAN	WEAVER	182-W	20			1	12	36	45	9
0061	B-1	CLARK CHESTER E	BOOT/SHOE SHOP	174	10			1	328	300	700	400
0062	G-1	CLARK JOHN	SHINGLE FACTORY	251-S	5			1	80	5	100	95
0061	C-1	CLARK JONAS	SHINGLE SHOP	251-S	8			1	25	9	35	26
0060	C-3	CLARKE F ?	WAGON SHOP	329	200			1	400	100	850	750
0060	C-3	CLARKE & EGGLETO	CARRIAGES/BLACKS	329/896	500			5	720	300	2000	1700
0062	D-1	CLARMONT CHARLES	BLACKSMITH FORGE	896	160			2	300	100	1000	900
0062	D-1	CLARMONT ELY	BLACKSMITH FORGE	896	80			1	150	50	500	450
0062	I	CLEAK JAMES ?	GRIST MILL	105	2000	WATER	30	1	300	4000	6000	2000
0060	A-3	CODEY SAMUEL	CRADLE/RAKE FACT	306	1200	WATER		5	1500	300	3175	2875
0061	B-2	COLE HENRY	BLACKSMITH FORGE	896	100			2	400	175	800	625
0061	C-2	COLINS TIMOTHY	COOPER	259-C				1	75	10	100	90
0062	B	COLLINS J H	BLACKSMITH SHOP	329	50			2	500	300	700	400
0061	B-4	COLLINS JOHN	BLACKSMITH FORGE	896	100			1	300	150	500	350

## HASTINGS COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0062	C-1	COLLINS MRS MAY	WEAVING LOOM	182-W	12			1	50	200	280	80
0062	C-1	CONIGAL MRS ?	WEAVING LOOM	182-W	15			1	62	300	480	180
0060	A-1	CONSAUL JOHN A	WAGON SHOP	329-P	500			2	400	100	1000	900
0060	A-2	CONSAUL MARSHALL	BLACKSMITH SHOP	329-P	150			3	700	315	2200	1885
0060	A-1	CONSAUL SEYMOUR ?	HARNES SHOP	179-S	40			1	400	300	1000	700
0061	B-2	COOK CATHERINE	WEAVER	182-W	10			1	20	100	140	40
0062	E-2	COOKE MRS A ?	WEAVING LOOM	182-W	20			1	25	38	70	32
0062	E-3	COOPER HUGH	BLACKSMITH FORGE	896	40			1	75	11	150	139
0061	A-2	CORBY HARRY	GRIST MILL	105	12000	WATER	60	4	1100	25000	37500	12500
0061	A-2	CORBY HARRY	DISTILLERY	109-D	8000	WATER	40	6	1500	12000	20000	8000
0060	C-1	CORNELL HENRY	PAINT SHOP	421-D	200			2	800	500	1600	1100
0060	A-3	COSBY NANCY	HANDLOOM	182-W	30			1	50	150	240	90
0062	E-1	COULS JANE	WEAVING SHOP	182-W	20			1	40	60	135	75
0062	A-1	COULS JAMES	LIME KILN	358-L	25			2	80	18	160	142
0060	C-2	COURTENAY JOHN	MILLINERY/DRESSM	249-M	30			6	600	600	1500	900
0061	B-1	CRAIG JAMES D	BOOT/SHOE SHOP	174	100			1	250	300	650	350
0061	C-1	CRANKWRIGHT JOHN	SHINGLE SHOP	251-S	6			1	60	50	125	75
0060	A-1	CRASK WALTER	GRIST/FLOUR MILL	105	192	WATER	30	2		21260	23085	1825
0061	A-3	CROCK JACOB	GRIST MILL	105	6000	WATER	30	2	600	13500	15000	1500
0062	B	CROOKS S B	WATCH REPAIR SHO	695	250			1	520	30	550	520
0061	B-4	CROSS WILLIAM	SHINGLE SHOP	251-S	10			5	84	30	123	93
0062	A-1	CROZIER GIDEON ?	WEAVING LOOM	182-W	22			1	37	88	153	65
0062	A-1	CUMMINGS GEORGE ?	WEAVING LOOM	182-W	15			1	18	112	44	68
0062	A-4	CUMMINGS PRESTON	WEAVING LOOM	182-W	15			1	25	88	120	32
0060	C-2	CUMMINS JAMES	SADDLE/HARNES S	179-S	8300			5	1700	2300	6000	3700
0062	C-1	CUMMINS GEORGE	SAW MILL	251	1000	WATER		2	400	1000	1600	600
0062	E-3	CUMMINS J P	SAW MILL	251	1800	WATER	20	3	300	968	1860	892
0061	C-3	CURRY ROBERT ?	LIME KILN	358-L	30			1	300	15	126	111
0062	G-1	CUTTLE CATHERINE	WEAVING FACTORY	182-W	10			1	13	23	64	41
0060	E-1	DAFOE WILLIAM	COOPER SHOP	259-C	250			2	700	60	800	740
0062	B-1	DALE JOHN	TINSMITH WORKS	304-T	600			3	760	1200	2527	1327
0061	B-1	DAMAN JAMES	COOPER SHOP	259-C	100			1	75	70	175	105
0060	B	DAVERAN JAMES	BAKERY	107/108-C	50			1	360	1715	2915	1200
0060	C-2	DAVIS WILLIAM	SADDLER/HARNES	179-S	200			3	800	1000	2500	1500
0060	C-3	DAVIS & MCRAE	SASH/BLIND FCY	254	1600			12	4000	2000	10000	8000
0061	C-3	DAVIS WM HENRY ?	HARNES SHOP	179-S	200			2	604	250	1600	1350
0061	B-4	DAWSON GEORGE	SHINGLES	251-S	15			2	24	16	63	47
0061	B-2	DAWSON WILLIAM	BLACKSMITH FORGE	896	200			2	500	240	1000	760
0062	C-1	DEAN ADAM	BLACKSMITH SHOP	896	50			1	200	50	300	250
0061	C-1	DEBUCKLE MARGARET	WEAVER SHOP	182-W	8			1	10	35	80	45
0060	C-3	DECK ROBERT	TAILOR SHOP	242	400			6	500	300	1000	700
0062	B	DECLARE JOHN	WEAVING LOOM	182-W	10			1	75	138	300	162
0062	A-3	DEKUNE ROSANNA ?	WEAVING LOOM	182-W	20			1	25	75	126	51
0061	C-1	DELINER URIAH ?	SHINGLE SHOP	251-S	10			1	80	50	136	86
0061	B-3	DELYER ALEXANDER	BLACKSMITH FORGE	896	100			2	400	60	550	490
0061	B-1	DEMELL D N	TINSMITH SHOP	304-T	800			1	250	600	1100	500
0061	A-3	DENGES PETER ?	HANDLOOM	182-W	25			1	36	175	300	125
0060	A-1	DEMARK WILLIAM	BRICK YARD	351-B	4000			18	5000	220	8400	8180
0062	D-1	DENY JOHN ?	WEAVING LOOM	182-W	20			1	80	82	135	53
0062	B	DERMILL SAMUEL	BOOT/SHOE SHOP	174	100			2	700	850	1900	1050
0062	E-1	DEVOLIN WILLIAM	WEAVING SHOP	182-W	70			4	250	120	500	380



## HASTINGS COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0060	C-4	DIAMOND	JOHN W	105	10000	WATER	20	5	1600	30000	32000	2000
0060	C-2	DICKENS	WILLIAM	108-C	1000			5	1050	3800	10400	6600
0062	C-2	DIX JOSEPH	SAW MILL	251	200	WATER	15	4	160	400	560	160
0061	C-2	DOLAN JOHN	BLACKSMITH	896	150			1	200	50	300	250
0062	G-1	DONALDSON CHARLES	SHINGLE FACTORY	251-S	5			1	80	10	127	117
0062	D-1	DONNEAU JOHN ?	WEAVING LOOM	182-W	12			1	75	69	105	36
0061	B-4	DORAN CHARLES	BLACKSMITH FORGE	896	100			1	200	50	300	250
0062	C-1	DORAN MRS J ?	WEAVING LOOM	182-W	16			1	50	160	225	65
0061	B-4	DOUGHERTY JOHN	SHINGLE SHOP	251-S	10			2	20	9	40	31
0062	D-1	DOWNY ANDREW	WEAVING LOOM	182-W	20			1	75	90	120	30
0062	D-1	DOWNY JANE	WEAVING LOOM	182-W	20			1	38	48	125	77
0060	A-1	DOXTATER AUGUSTA	HANDLOOM WEAVING	182-W	6			1	24	135	250	115
0060	A-1	DOXTATER SARAH ?	HANDLOOM WEAVING	182-W	30			1	80	285	692	407
0062	I	DOYLE BRIDGET	WEAVING LOOM	182-W	12			1	100	252	352	100
0062	C-2	DOYLE W ?	WEAVING LOOM	182-W	15			1	100	210	280	70
0062	E-1	DRISCOLL SIMON	TAILOR SHOP	243	40			1	318	250	650	400
0062	F-1	DRUMOND MRS ?	WEAVING LOOM	182-W	20			1	50	148	240	92
0062	E-1	DUGAN ROBERT	SAW MILL	251	200	WATER		1	180	50	130	80
0062	G-1	DULMAGE SAMUEL	SAW MILL	251	15		100	1	25	175	560	385
0062	A-1	DUNCAN CHARLOTTE	WEAVING LOOM	182-W	15			1	54	95	140	45
0061	C-2	DURHAM MARY ANN	WEAVER	182-W	300	WATER	80	2	600	500	2000	1500
0061	C-1	DUTTON HENRY ?	SAW MILL	251	30			5	60	217	280	63
0062	E-3	EAGLESON JAMES	WEAVING LOOM	182-W	700			2	360	80	800	720
0061	B-1	EARL WILLIAM	BLACKSMITH FORGE	896	9450	WATER	40	3	1000	33000	35450	2450
0061	C-3	EASTERBROOK GEORG	GRIST MILL	105	400			2	400	80	1000	920
0061	B-1	EASTON JOSEPH	BLACKSMITH FORGE	896	500			7	850	680	2000	1320
0061	B-1	EASTON JOSEPH	CARRIAGE FACTORY	329	250			2	104	200	400	200
0062	E-1	EASTWOOD ANN	DRESS MAKING EST	244	50			1	200	50	300	250
0060	C-3	EDMONDS A	TAILORING	243	5			1	16	3	25	22
0062	G-2	EDSON D ?	LIME KILN	358-L	18			2	50	229	300	71
0062	E-2	ELLIOTT ANN	WEAVING LOOM	182-W	3			4	150	5	150	145
0062	G-1	ELLIOTT JOHN P	SHINGLE FACTORY	251-S	60			1	72	252	350	98
0062	F-1	ELLIOTT THOMAS	BAKERY	107	85			1	200	500	1200	700
0062	E-2	ELLIS JAMES	WEAVING SHOP	182-W	20			1	75	124	163	39
0062	E-3	ELLIS WILLIAM	WEAVING LOOM	182-W	5			2	48	18	68	50
0061	B-4	ELMY ROBERT	SHINGLE SHOP	251-S	15			1	25	150	200	50
0062	C-2	EMERSON ISABELLA	WEAVING LOOM	182-W	1500			2	480	7300	8100	800
0061	B-2	EMPY A & CO ?	CHEESE FACTORY	104	50			2	450	500	1000	500
0062	F-1	EMPY FRANCIS ?	SHOE SHOP	174	15			1	50	200	450	250
0061	B-2	EMPY SARAH	WEAVER	182-W	20			1	37	60	96	36
0062	E-2	ENGLISH CHARLES	WEAVING LOOM	182-W	600			1	600	100	1200	1100
0062	B	FAMER R	PHOTOGRAPH GALLE	893	10			1	12	90	195	105
0060	A-1	FANNING DEBORAH	HANDLOOM WEAVING	182-W	200			2	600	420	1000	580
0062	H	FARRELL THOMAS	BLACKSMITH FORGE	896	50			1	300	30	500	470
0062	B	FEENEY HUGH	WAGON SHOP	329	1000	WATER	20	3	900	950	2420	1470
0062	B	FEENEY JOSEPH	SASH/DOOR/BLIND	254	3000	WATER	20	6	1600	1950	3880	1930
0062	B	FEENEY JOSEPH	CARRIAGE SHOP	329	1000	WATER	20	3	900	900	2120	1220
0060	B	FILION ANDREW	BOOT/SHOE FACTOR	174	100			3	900	500	1900	1400
0061	C-2	FIMBLE HANNAH ?	WEAVER	182-W	9			2	50	340	390	50
0062	B	FINCH RICHARD	BOOT/SHOE SHOP	174	300			4	800	1000	2300	1300

## HASTINGS COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

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0060	A-1	FINKLE M & A	HANDLOOM WEAVING	182-W	15			2	40	160	290	130
0061	C-2	FISHER PHOEBIE	WEAVER	182-W	25			1	30	120	207	87
0061	B-1	FITCHETT ELEANOR	WEAVER	182-W	20			1	20	50	140	90
0062	E-1	FITZGERALD JOSEPH	WINDOW/DOOR FACT	254	80			1	400	50	450	400
0060	A-2	FLETCHER JANE	HANDLOOM WEAVER	182-W	20			1	10	120	180	60
0060	C-4	FLINT & YEAMANS	SAW MILL	251	15000	STEAM	125	45	2000	6000	10000	4000
0062	F-1	FLINT BELLA	FOUNDRY	311/307-S	2500	STEAM	12	3	900	840	2000	1160
0062	F-1	FLINT BELLA	FLOUR/GRIST MILL	105	12000	WATER	60	3	900	16250	19000	2750
0062	F-1	FLINT BELLA	SAW MILL	251	4000	WATER	50	4	500	1000	1600	600
0062	F-1	FLINT BELLA	SCYTHE FACTORY	306	4000	WATER	30	10	3500	3360	8200	4840
0061	A-1	FOARD JOHN	PAPER MILL	271	4500	WATER	25	10	600	2400	4500	2100
0060	A-1	FORD PETER	PAPER MILL	271	400	WATER	45	11	2250	1500	10000	8500
0060	C-2	FORRIN JOHN	CARPENTER/JOINER	259	1000			6	2200	10000	18000	8000
0062	E-1	FOSTER ALEXANDER	BOOT/SHOE SHOP	174	30			2	720	1012	2190	1178
0060	A-1	FOSTER THOMAS	BAKE SHOP	107/108-C	150			2	300	1800	2350	550
0060	A-3	FOULKNER JONATHAN	HANDLOOM	182-W	40			1	50	200	350	150
0062	E-2	FOX MARY	WEAVING LOOM	182-W	15			1	50	95	175	80
0061	A-2	FRAKUM HENRY	TANNERY	172	2000	WATER	10	3	900	1250	2075	825
0060	A-2	FRALICK GILBERT F	BLACKSMITH FORGE	896	65			2	360	150	600	450
0062	C-1	FRALICK MRS P	WEAVING LOOM	182-W	20			1	75	265	360	95
0062	A-1	FRANCIS JOHN	WEAVING LOOM	182-W	15			1	25	70	103	33
0060	A-2	FREDERICK JOHN	HARNESSMAKER	179-S	25			1	50	87	200	113
0062	C-1	FREDERICK HENRY ?	COOPER SHOP	259-C	20			1	250	100	400	300
0061	A-1	FRENCH IRA	STAVE FACTORY	251	700	STEAM	6	3	400	500	1500	1000
0060	C-4	FROST FREDER I	CABINETMAKER	261	1100	WATER	30	11	3800	1400	7600	6200
0062	F-1	FROST JOSEPH	WAGON SHOP	329	200			3	900	80	1500	1420
0062	F-1	FROST JOSEPH	BLACKSMITH SHOP	896	200			3	1092	200	2000	1800
0062	F-1	FROST OLIVER C	CABINET FACTORY	261	1000	STEAM	12	4	800	350	1400	1050
0062	C-2	FUMON C ?	BLACKSMITH SHOP	896	50			1	240	50	200	150
0062	A-1	GAINSEY E ?	WEAVING LOOM	182-W	25			1	150	225	360	135
0062	B	GALLAGHER JOHN	HARNESS SHOP	179-S	100			3	600	2000	3600	1600
0062	D-1	GARDIVIER MARY ?	WEAVING LOOM	182-W	12			1	75	225	360	135
0062	C-1	GARRET HUGH	BLACKSMITH FORGE	896	50			1	300	65	450	385
0062	C-1	GARRISON ?	WEAVING LOOM	182-W	10			1	38	90	150	60
0061	A-3	GARRISON FRANCES	HANDLOOM	182-W	25			1	36	175	300	125
0062	C-2	GARY MISS ?	WEAVING LOOM	182-W	40			2	125	540	680	140
0061	B-1	GEDDES ALEXANDER	BLACKSMITH FORGE	329	250			1	300	160	700	540
0060	A-2	GERMAN RUTH L	SEAMSTRESS	242	30			1	48	100	160	60
0060	C-2	GIBSON GEORGE	BOOT/SHOE MF	174	1000			8	2000	3000	6000	3000
0061	B-4	GIBSON ROBERT	SHINGLE SHOP	251-S	12			1	24	10	53	43
0060	C-4	GILBERT JOHN M	SASH/DOOR/BLIND	254	1000	W/S	10	4	1800	750	5000	4250
0062	B	GILBERT MRS E J	MILLINERY/DRESSM	244/249-M	100			4	400	1200	1936	736
0060	A-1	GILL HENRY	BREWERY/MALT HOU	109-B	200	STEAM	25	6	978	2700	5600	2900
0061	A-3	GILLESPIE THOMAS	BLACKSMITH FORGE	896	100			2	372	70	550	480
0062	E-1	GILLESPIE THOMAS	COOPERAGE	259-C	100			1	250	80	390	310
0060	B	GILMOUR & CO	SAW MILL	251	60000	STEAM	110	170	36000	154000	220000	66000
0062	B	GIRDWOOD WILLIAM	WAGON SHOP	329	400			2	400	250	700	450
0061	A-3	GONTE ANDREW & SO	SHOE SHOP	174	100			3	600	600	1200	600
0060	A-1	GOWIN J THOMPSON	SHOEMAKER SHOP	174	50			2	900	900	2000	1100
0062	C-2	GRADY L ?	SAW MILL	251	200			2	240	300	420	120
0060	A-1	GRAHAM & KETCHUM	CHEESE FACTORY	104	5300			11	3100	25422	28680	3258

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0061	C-1	GRAHAM THOMAS ?	BLACKSMITH SHOP	896	100			2	500	200	700	500
0062	A-1	GREEN JOHN	LIME KILN	358-L	20			2	40	10	58	48
0062	J-2	BLACKSMITH SHOP	BLACKSMITH SHOP	896	75			1	160	95	300	205
0062	F-2	GROVES JANE	WEAVING LOOM	182-W	26			1	150	198	307	109
0061	A-2	GUNSOLAS JOHN	BLACKSMITH FORGE	896	400			1	400	100	600	500
0062	G-1	GUNTER WILLIAM	WEAVING FACTORY	182-W	20			1	25	70	150	80
0062	A-1	HAGERMAN JOHN	LIME KILN	358-L	60			2	8	25	40	15
0060	A-2	HAGERMAN MARGARET	HANDLOOM WEAVER	182-W	30			1	30	100	140	40
0061	C-1	HALBERT NATHANIEL	BLACKSMITH SHOP	896	100			1	400	150	600	450
0060	C-1	HALPENS JOSEPH	BOOT/SHOE SHOP	174	50			1	400	100	875	775
0060	C-2	HAMBLY PHILLIP	BAKERY/CONFECTIO	107/108-C	15000			13	1560	3000	10000	7000
0060	C-1	HAMILTON LAWRENC	SODA FACTORY	109-S	1200			2	600	400	2500	2100
0062	E-1	HARPER JOHN	BAKING ESTABLISH	107	600			1	480	2400	3000	600
0060	C-2	HARRISON EDWARD	BOOK BINDING EST	287-B	250			3	500	1000	2500	1500
0062	E-3	HARRISON ALMIRA	WEAVING LOOM	182-W	30			1	18	89	114	25
0061	C-3	HARRISON WILLIAM	FLY SHUTTLE LOOM	182-W	22			1	120	250	385	135
0060	C-4	HARROLD JAMES	COOPER SHOP	259-C	500			4	1200	800	3000	2200
0062	A-3	HASLETT MME	WEAVING LOOM	182-W	20			1	12	42	56	14
0062	B	HAUGHTON SARAH	MILLINER EST	244/249-M	60			5	384	1520	1992	472
0060	C-2	HAYNES GEORGE	HATTER/FURRIER	246	650			9	2500	8000	15500	7500
0061	B-1	HAYSE JOHN	BLACKSMITH FORGE	329	200			2	400	260	800	540
0062	B	HEAGLE JAMES	BLACKSMITH SHOP	329	100			1	300	300	1000	700
0060	C-1	HELLER ANDREW	CLOTH DYEING EST	189-D	100			1	300	200	600	600
0062	A-1	HELMORE RODNEY	BRICK KILN	351-B	50	HORSE	4	3	75	200	300	100
0060	C-3	HENBERRY HENRY	DRESSMAKER/MILLI	244/249-M	200			10	600	1500	4000	2500
0061	C-1	HENDERSON JOHN	SHINGLE SHOP	251-S	8			1	20	15	36	21
0061	C-1	HENDERSON JOSHUA	SHINGLE SHOP	251-S	10			1	100	50	174	124
0062	D-1	HENDERSON REBECCA	WEAVING LOOM	182-W	22			1	75	225	480	255
0061	C-1	HENRY BENJAMIN	POTASH WORKS	378-P	600			3	480	750	1300	550
0062	F-2	HERBERTSON RACHEL	WEAVING LOOM	182-W	25			1	150	195	305	110
0062	C-2	HERVID AMANDA ?	WEAVING LOOM	182-W	20			1	25	180	240	60
0062	E-1	HEYWORTH JAMES	CABINET SHOP	261	70			1	360	60	600	540
0061	B-1	HICKS MARY	WEAVER	182-W	12			1	30	150	280	130
0062	F-1	HICKS MRS F N	WEAVING LOOM	182-W	15			1	12	44	65	21
0062	D-1	HIGGINS CATHARINE	WEAVING LOOM	182-W	20			1	50	140	260	120
0061	A-3	HINES ALBERT ?	WAGON SHOP	329	300			1	400	30	500	470
0062	D-2	HOARD P ?	BLACKSMITH	896	30			1	240	20	500	480
0062	E-3	HODGINS THOMAS	BLACKSMITH FORGE	896	116			1	260	10	289	279
0060	C-2	HOGG JAMES	CLOTHING STORE	242	300			10	2000	4000	6500	2500
0060	C-3	HOGG WILLIAM	CARPENTER SHOP	254	250			2	700	300	1500	1200
0060	A-2	HOGLE ADALINE	HANDLOOM WEAVER	182-W	30			2	50	500	610	110
0062	C-1	HOLLINGER WILLIAM	WEAVING LOOM	182-W	20			1	50	220	300	80
0061	B-2	HOLLINGSWORTH EDW	SHOEMAKER SHOP	174	50			1	200	300	700	400
0062	A-1	HOLMES RODNEY ?	WEAVING LOOM	182-W	15			1	37	125	250	125
0061	A-3	HONEYWELL	BLACKSMITH FORGE	896	150			1	300	50	500	450
0060	A-1	HOOPLE & MARSH ?	BLACKSMITH SHOP	896	150			2	900	200	1120	920
0062	B	HORTEN SAMUEL	WEAVING LOOM	182-W	11			1	50	225	360	135
0062	C-1	HOSKINS IRA	BLACKSMITH SHOP	896	300			1	400	160	600	440
0062	B	HOUGH JOHN	BLACKSMITH/WAGON	329	230			3	500	850	1800	950
0061	C-3	HOWE ALONZO	HANDLOOM	182-W	100			1	200	320	910	590
0062	A-3	HOWIE ROBERT	SAW MILL	251	1500	WATER	20	3	900	500	1800	1300



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0060	A-2	HOYLE JACOB S	BLACKSMITH FORGE	896	100			1	300	84	500	416
0062	A-1	HUBBLE B ?	WEAVING LOOM	182-W	15			1	10	30	47	17
0062	A-1	HUBBLE PETER	LIME KILN	358-L	20			2	40	10	50	40
0062	A-4	HUBBLE W ?	WEAVING LOOM	182-W	13			1	12	38	60	22
0061	A-3	HUCK MISS ?	MILLINERY EST	244	100			2	81	200	350	150
0061	A-3	HUDSON WILLIAM	CARRIAGE FACTORY	329	1000			8	1700	1500	5000	3500
0062	A-2	HUFF EMARILLEE	WEAVING LOOM	182-W	25			1	90	190	255	65
0062	A-1	HUFFMAN DANIEL	SHOE SHOP	174	10			1	30	3	40	37
0060	A-1	HUFFMAN JAMES	CARDING MILL	189-W	2500	WATER	15	3	450	1960	2450	490
0060	B	HUTCHINSON JOSEPH	BAKER	107	50			1	360	2750	3463	713
0060	B	HYDE JAMES	BOOT/SHOE FACTOR	174	176			4	1200	869	3000	2131
0062	E-3	HYLAND SARAH	WEAVING LOOM	182-W	15			2	75	121	207	86
0062	E-2	INKSTER ISABELLA	WEAVING LOOM	182-W	20			1	25	60	96	36
0062	C-1	IRVINE ALEXANDER	WAGONMAKER SHOP	329	400			1	300	75	500	425
0062	C-1	IRVINE MRS ALEXAN	WEAVING LOOM	182-W	12			1	38	100	150	50
0061	C-1	IRWIN JOHN	SHINGLE SHOP	251-S	10			1	30	21	65	44
0062	A-2	JACKMAN RUTH	WEAVING LOOM	182-W	45			1	75	360	490	130
0062	G-2	JACKSON A ?	WEAVER SHOP	182-W	24			2	120	610	740	130
0061	B-4	JACKSON HENRY	SHINGLE SHOP	251-S	20			2	30	15	60	45
0061	C-3	JAMIESON J	SAW MILL	251	6000	WATER	40	15	3200	10000	19000	9000
0062	I	JARMEN HENRY ?	GRIST MILL	105	300	WATER	20	1	300	6000	8000	2000
0061	C-3	JELLYMAN JORDAN &	SAW MILL	251	5000	STEAM	50	13	2500	8000	18000	10000
0061	B-1	JENKINS WILLIAM	SHOE SHOP	174	400			1	300	100	900	800
0060	B	JOHNSON MOSES	CARRIAGE SHOP	329	200			2	600	36	650	614
0062	A-4	JOHNSON LESTER	WEAVING LOOM	182-W	12			1	150	316	400	84
0061	A-3	JOHNSON WILLIAM	BLACKSMITH FORGE	896	150			2	450	100	1000	900
0060	A-2	JOHNSTON JAMES	SHOEMAKER	174	10			1	120	100	200	100
0062	B	JONES ROBERT	BLACKSMITH SHOP	896	70			1	468	200	750	550
0061	B-4	JORDAN JAMES	SHINGLE SHOP	251-S	10			1	20	18	56	38
0061	B-4	JORDAN JOHN	SHINGLE SHOP	251-S	8			2	18	5	35	30
0062	C-1	JUSTICE JOHN	SHOEMAKER	174	50			1	200	130	416	286
0061	A-2	KANE WILLIAM ?	SHOE SHOP	174	200			1	250	150	260	110
0060	B	KEELER FREDERI	BLACKSMITH SHOP	896	150			2	600	200	830	630
0061	B-1	KENNEDY WILLIAM	COOPER SHOP	259-C	200			2	200	100	900	800
0060	B	KERR MARGARE	MILLINER SHOP	249-M				1	72	20	100	80
0061	A-2	KETCHAPAW HANNAH	WEAVING	182-W	20			1	30	115	168	53
0062	A-2	KETCHESON AARON	SAW MILL	251	400	WATER	14	3	300	600	1200	600
0061	A-3	KETCHESON R ?	HANDLOOM	182-W	20			1	20	61	100	39
0062	C-2	KILPATRICK ANN	WEAVING LOOM	182-W	10			1	20	120	160	40
0062	C-2	KING JAMES	BOOT/SHOE SHOP	174	20			1	120	70	200	130
0062	C-2	KIRK CHARLES	GRIST MILL	105	1000	WATER		1	240	6000	7000	1000
0062	C-2	KIRK CHARLES	SAW MILL	251	500	WATER		1	180	500	800	300
0061	B-2	KIRKPATRICK GEORG	BLACKSMITH FORGE	896	150	WATER		1	600	240	1200	960
0062	F-1	KLEINSTUBER & BRO	SHOE SHOP	174	25	HORSE	1	3	600	656	1040	384
0060	B	KNOX URIAH	BLACKSMITH SHOP	896	500			2	900	40	1400	1360
0060	A-2	LAFAY JOHN	COOPER SHOP	259-C	68			1	150	90	375	285
0062	C-1	LAFERTY JOHN	SHOEMAKER	174				1	300	60	560	500
0060	B	LAIRD JAMES	BLACKSMITH SHOP	896	50			1	400	145	550	405
0062	B	LANGMERO R ?	WEAVING LOOM	182-W	40			1	25	31	53	22
0061	C-1	LARANCH PETER	SAW MILL	251	200	WATER		1	60	400	600	200
0061	A-3	LATTE G & G	SAW MILL	251	3000	WATER		4	480	520	1280	760

## HASTINGS COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0061	C-1	LATTICE HUGH	BLACKSMITH SHOP	896	50		.	1	200	40	250	210
0060	B	LAW WILLIAM	TAILOR SHOP	243	75		.	3	600	1128	1752	624
0062	A-4	LAWRENCE DANIEL ?	WEAVING LOOM	182-W	20		.	1	75	112	300	112
0061	C-3	LAWRENCE MARY	HANDLOOM	182-W	20		.	1	100	350	510	160
0061	C-3	LAWRENCE ROBERT	CHEESE FACTORY	104	2000	HORSE	1	7	1092	21000	32000	11000
0060	C-1	LAZIER JOHN	CLOTH FACTORY	182	8000	WATER	20	11	1950	8000	10000	2000
0061	B-2	LAZIER JAMES A	CARDING MILL	189-W	1500	WATER	15	1	300	3000	3700	700
0061	B-1	LAZIER STEPHEN A	SAW MILL	251	2000	WATER	40	2	700	1000	2500	1500
0061	B-1	LAZIER STEPHEN A	GRIST/LOUR MILL	105	8000	WATER	35	2	800	24000	32000	8000
0062	F-1	LECKIE MARGARET ?	WEAVING LOOM	182-W	12		.	1	37	50	85	35
0062	D-1	LENNON MAY ?	WEAVING LOOM	182-W	12		.	1	25	73	115	42
0061	B-2	LENNON ROBERT	BLACKSMITH FORGE	896	200		.	1	300	90	550	460
0062	F-1	LESLIE MRS ?	WEAVING LOOM	182-W	20		.	1	12	17	35	18
0062	C-2	LEVIEDY E ?	WEAVING LOOM	182-W	10		.	1	10	72	96	24
0061	C-1	LEVEQUE A ?	SHINGLE SHOP	251-S	8		.	1	35	9	40	31
0061	C-1	LEVEQUE LOUIS	SHINGLE SHOP	251-S	10		.	1	20	13	57	44
0061	C-2	LEWIS JESSIE	WEAVER	182-W	18		.	1	35	173	222	49
0060	A-1	LEWIS JOHN	SAW MILL	251	10000	STEAM	30	15	1170	3000	6000	3000
0062	C-1	LIASIER JOHN	WAGON SHOP	329	125		.	1	276	100	400	300
0061	A-2	LINGHAM WILLIAM ?	GRIST MILL	105	8000	WATER	30	5	1825	36468	39654	3186
0060	C-2	LINKLATER THOMAS	TIN/IRONWARE	304-T	1000		.	4	1000	2000	4500	2500
0062	A-1	LINN T ?	WEAVING LOOM	182-W	22		.	1	88	100	400	300
0062	A-1	LINN WILLIAM	WAGON SHOP	329	100		.	1	150	25	250	225
0062	A-1	LINN WILLIAM ?	BLACKSMITH SHOP	896	50		.	1	150	40	200	160
0062	A-2	LIVINGSTON MARY A	WEAVING LOOM	182-W	25		.	1	25	75	120	45
0060	B	LOBIN PETER	BAKERY	107	60		.	1	250	1854	2535	681
0060	C-2	LOCKERTY THOMAS	CIGAR MANUFACTOR	153	200		.	6	1000	800	2000	1200
0060	A-2	LOCKWOOD MARTHA J	HANDLOOM	182-W	35		.	1	42	219	306	87
0061	C-1	LOGAN JAMES	SAW MILL	251	100	WATER	12	1	20	20	50	30
0060	A-1	LOHNE FRANKLIN ?	PUMP SHOP	315-P	200	HORSE	2	2	400	208	1215	1007
0062	J-2	LONGDO ALFONSO	SHOE SHOP	174	15		.	1	240	180	400	220
0062	E-3	LONGY CATHERINE ?	WEAVING LOOM	182-W	20		.	2	75	321	440	119
0061	B-4	LUCAS AMOS	SHINGLES	251-S	30		.	1	96	30	160	130
0061	B-4	LUCAS GEORGE	SHINGLE SHOP	251-S	15		.	1	54	15	75	60
0061	B-4	LUCAS WILLIAM	SHINGLE SHOP	251-S	5		.	1	18	10	60	50
0060	C-2	LYONS H K	TINWARE/IRONWARE	304-T	300		.	5	1600	4000	8000	4000
0062	B	MACDOUGALL DUGALD	LOUR/GRIST MILL	105	8000	WATER	35	4	1500	45000	63000	18000
0062	A-1	MAC WILLIAM	BLACKSMITH SHOP	896	300		.	2	420	700	1200	500
0061	C-1	MAINS JOHN	WAGON SHOP	329	50		.	1	150	75	300	225
0062	E-1	MARRIN OWEN ?	BOOT/SHOE MF	174	20		.	1	312	24	70	46
0060	B	MARSH CHARLES	HARNES SHOP	179-S	200		.	1	450	300	800	500
0060	A-1	MARSH JOHN	BAKE SHOP	107	12		.	1	60	175	295	120
0060	A-1	MARSHALL C & M	HANDLOOM WEAVING	182-W	20		.	2	36	140	305	165
0062	E-2	MARSHALL ELLEN	WEAVING LOOM	182-W	15		.	1	37	70	108	38
0060	C-4	MARTIN CHARLES	FOUNDRY/MACHINER	315	2000	STEAM	10	7	3000	800	5000	4200
0062	B	MARTIN DAVID	TIN SHOP	304-T	250		.	2	400	570	950	380
0062	B	MARTIN WILLIAM	CABINET SHOP	261	1500	WATER	10	4	1000	1000	3080	2080
0062	B	MARTIN & EATON	BOOT/SHOE MF	174	200		.	8	2075	1500	2700	2700
0062	B	MASHER MILES	BROOM FACTORY	399-B	75		.	1	400	250	1440	1190
0062	B	MATT JAMES	BLACKSMITH SHOP	896	125		.	1	500	300	950	650
0062	B	MAYBEE JOHN	HARNES SHOP	179-S	25		.	1	400	275	675	400

## HASTINGS COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

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0062	E-1	MAYBEE MARSHALL	CABINET SHOP	261	600			2	720	720	1500	780
0060	C-2	MCARTHUR NEIL	SADDLE/TRUNK MF	179-S/179-T	500			5	1500	5000	10000	5000
0062	C-1	MCBIRD MRS	WEAVING LOOM	182-W	10			1	50	160	240	80
0061	C-3	MCCALLIUM ALEXANDE	TANNERY	172	2000	STEAM	10	2	624	1263	2564	1301
0062	E-2	MCCALLIUM PETER	FLOW MILL	105	20	WATER	20	3	900	5000	6868	1868
0062	E-2	MCCALLIUM PETER	SAW MILL	251	830	WATER	16	1	50	80	120	40
0061	C-2	MCCAMON PRISCILLA	WEAVER	182-W	15			2	50	500	600	100
0062	C-1	MCCARVY PATRICK	SHOEMAKER	174	50			1	300	120	500	380
0062	B	MCCAULEY PATRICK	WAGON SHOP	329	50			1	360	150	650	500
0060	B	MCCEW PATRICK	HARNES/TRUNK FC	179-S/179-T	120			3	900	1510	3500	1990
0062	B	MCCONNELL ELIZABE	TAILOR SHOP	243	110			1	200	900	1050	150
0062	G-1	MCCONNELL JOSEPH	SHINGLE FACTORY	251-S	3			2	150	5	150	145
0062	A-2	MCCOONNEY	WEAVING LOOM	182-W	15			1	50	35	72	37
0060	B	MCCREADY BERNARD	CLOTHING EST	243	200			7	1800	2000	4300	2300
0060	A-3	MCCRORY WILLIAM	BLACKSMITH SHOP	329	200			1	500	168	1000	832
0061	B-3	MCCULLOUGH MARGAR	WEAVER	182-W	20			1	80	400	750	350
0062	J-2	MCCURDY GORDON	WEAVING LOOM	182-W	6			1	18	49	66	17
0062	J-2	MCDAVITT WILLIAM	FLOW MILL	105	3000	WATER		1	500	400	900	500
0062	J-2	MCDAVITT WILLIAM	SAW MILL	251	2400	WATER		2	900	1080	2000	920
0060	A-1	MCDONALD ANN JANE	HANDLOOM WEAVING	182-W	70			2	40	750	1200	450
0060	A-1	MCDONALD DAVID	TAILOR SHOP	242	75			3	480	2000	3900	1900
0061	B-2	MCFARLANE BRIDGET	WEAVER	182-W	20			3	145	1000	1400	400
0061	C-1	MCFARLANE WILLIAM	SAW MILL	251	1000	STEAM	16	2	240	300	580	280
0061	C-1	MCFARLANE WILLIAM	SHINGLE MILL	251-S	1000	STEAM	16	6	700	800	1989	1189
0061	B-3	MCCEE JOSEPH	SHOEMAKER SHOP	174	50			1	200	100	300	200
0062	A-4	MCGHEE JOHN ?	WEAVING LOOM	182-W	5			1	24	25	49	24
0061	C-3	MCGOWAN ADAM	WAGONS/BLACKSMIT	329	2000			10	2100	1840	9000	7160
0061	C-2	MCGRATH ANN	WEAVER	182-W	20			2	57	230	402	172
0061	C-3	MCGRATH MARY	HANDLOOM	182-W	15			3	100	150	260	110
0061	B	MCGUIRE JAMES	SODA FACTORY	109-S	800			1	700	350	1600	1250
0061	A-3	MCGUNION PETER ?	TANNERY	172	300			1		300	600	300
0061	A-3	MCGUNION PETER ?	SHOE SHOP	174	10			1		80	100	20
0060	C-2	MCIMMEL HENRY	CARRIAGE FACTORY	896	200			3	700	600	1500	900
0060	C-2	MCKAY ALEX	BLACKSMITH SHOP	896	200			3	1400	1200	4000	2800
0062	B	MCKEE DAVID	BAKERY	107	300			2	500	1900	2700	800
0061	A-3	MCKENZIE DANIEL	BLACKSMITH FORGE	896	300			1	200	300	600	300
0062	B	MCKEOWN JAMES	TAILOR SHOP	242	60			4	650	1190	1563	373
0060	C-2	MCKEOWN JOHN	BOOT/SHOE SHOP	174	300			13	3500	5000	7500	2500
0060	A-1	MCKILLOP DANIEL	LIME KILN	358-L	30			1	52	60	240	180
0062	D-1	MCKINNON D J	SAW MILL	251	800	WATER	20	1	180	150	290	140
0061	B-4	MCLAREN ELIZABETH	HANDLOOM	182-W	10			1	15	75	95	20
0062	C-1	MCLEGG ALLEN	FANNING MILL MF	311	400			1	300	75	600	525
0060	B	MCMAHON JOHN	BLACKSMITH SHOP	896	75			2	630	564	1500	936
0062	A-2	MCMAHON MATHA	WEAVING LOOM	182-W	20			1	75	280	360	80
0062	C-1	MCNULTEN MRS J ?	WEAVING LOOM	182-W	20			1	175	450	650	200
0060	C-3	MCNULTEN SIDNEY	MARBLE FACTORY	353	100			3	1200	1200	3500	2300
0062	D-1	MCNULTEN ELIZABET	WEAVING LOOM	182-W	8			1	15	100	170	70
0060	A-2	MCNULTEN JOHN	CIDER PRESS	109-C	300	HORSE	2	4	160	450	1600	1150
0062	C-1	MCNULTEN MRS D	WEAVING LOOM	182-W	10			1	62	240	360	120
0062	E-2	MCNULTEN CATHERIN	WEAVING LOOM	182-W	15			1	37	80	140	60
0062	C-1	MCNULTIN WILLIAM	WEAVING LOOM	182-W	12			1	150	250	360	110



## HASTINGS COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

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0061	B-3	MC MURRAY MARY ANN	WEAVER	182-W	15			1	100	200	300	100
0061	C-3	MC NALLIA MARY ?	HANDLOOM	182-W	20			1	120	350	480	130
0061	B-1	MC NEIL WILLIAM	BLACKSMITH	FORGE 896	200			1	300	65	400	335
0060	A-1	MC NEIL MISS MARY	HANDLOOM	WEAVING 182-W	20			2	60	325	480	155
0061	A-3	MC NELLS	CABINET SHOP	261	300			1	300	50	430	380
0062	C-1	MC TAGGART MRS A	WEAVING LOOM	182-W	16			1	110	320	440	120
0061	B-2	MEAGHER THOMAS	SAW MILL	251	1000	WATER	25	2	300	3000	4000	1000
0062	C-2	MEME WILLIAM ?	CABINET SHOP	261	200			1	500	250	1000	750
0062	A-2	MERKLEJOHN JOHN ?	WEAVING LOOM	182-W	25			1	62	300	480	180
0062	A-2	MERKLEJOHN PETER	WEAVING LOOM	182-W	30			1	125	360	450	90
0062	A-1	MERRICK ISAAC	WEAVING LOOM	182-W	6			1	10	40	60	20
0060	C-2	MEUDELL JAMES	FUR MANUFACTORY	246	200			3	850	3000	5000	2000
0062	B-2	MICKLE E WM ?	WEAVING LOOM	182-W	15			1	75	230	372	142
0062	A-1	MIGHT HENY ?	WEAVING LOOM	182-W	18			1	10	10	20	10
0062	A-1	MILES & MECK	WEAVING LOOM	182-W	30			1	12	40	72	32
0060	C-2	MILLS	PRINTING EST	289	3000			6	1500	1000	2500	1500
0060	A-1	MILLER ISAAC S	PUMP SHOP	315-P	125	WATER	6	2	400	250	1600	1350
0060	A-2	MILLER STEPHEN	BLACKSMITH	FORGE 896	175			1	96	125	400	275
0060	C-2	MILLS J H	TAILORING EST	243	300			22	2400	8000	18000	10000
0062	D-1	MILLS JOHN	CARDING MILL	189-W	1000	WATER	10	3	900	2400	3260	860
0062	D-1	MILLS JOHN ?	WEAVING LOOM	182-W	30			1	150	133	267	134
0062	C-2	MITCHELL CLARENCE	WEAVING LOOM	182-W	15			1	50	240	320	80
0062	C-1	MOIRA ?	CHEESE FACTORY	104	4248			10	1880	13620	17869	4249
0060	A-2	MOON JOHN	CARRIAGEMAKER	329	100			1	300	75	600	525
0061	A-3	MOON JOHN	HANDLOOM	182-W	20			2	100	375	500	125
0061	A-2	MOON SARAH A ?	WEAVING	182-W	10			1	100	500	650	150
0062	E-3	MOORCUPP SARAH ?	WEAVING LOOM	182-W	20			2	50	125	184	59
0062	E-1	MOORE WILLIAM	BOOT/SHOE SHOP	174	50			1	360	520	1227	707
0060	A-3	MORGAN DANIEL	SAW MILL	251	4000	WATER	40	2	500	15000	19100	4100
0060	A-3	MORGAN DANIEL	GRIST MILL	251	2000	WATER	14	2	320	900	2000	1100
0060	A-3	MORGAN DANIEL	CARDING/FULLING	174	2000	WATER	10	2	250	6000	7560	1560
0060	C-2	MORRIS ALEXAND	BOOT/SHOE STORE	189-W	400			8	2500	3000	6000	3000
0060	B	MORRISON W & I & CARRIAGE FACTORY	329	174	300			8	2400	2700	6000	3300
0061	B-2	MORRISON ELEANOR	WEAVER	182-W	10			1	20	100	140	40
0061	B-4	MORRISON JOHN	SHINGLE SHOP	251-S	20			1	14	10	60	50
0060	A-1	MORSE WILLIAM ?	CABINET SHOP	261	80			2	200	40	300	260
0062	C-1	MORTEN MRS ?	WEAVING LOOM	182-W	12			1	44	200	280	80
0062	C-1	MORTON THOMAS	POT ASHERY	378-P	100			1	90	80	250	170
0062	E-1	MOUNCY EDWARD	TAILOR SHOP	243	200			2	500	1000	1680	680
0061	B-3	MCUTH MARY ANNE	WEAVER	182-W	20			1	150	400	700	300
0061	A-2	MULLET DANIEL	TANNERY	172	4000	WATER	20	6	1300	10000	11300	1300
0062	C-1	MULLET EDMUND	BLACKSMITH SHOP	896	80			1	300	175	650	475
0062	C-1	MULLET JAMES	WEAVING LOOM	182-W	10			1	38	100	156	56
0062	E-3	MULLET SILVANAS	TANNER/CURRIER S	172	1500			3	900	2640	4620	1980
0062	E-1	MULLETT WILLIAM	HARNES FACTORY	179-S	50			1	300	300	675	375
0061	C-2	MURNEY THOMAS	BLACKSMITH	896	200			1	400	175	775	600
0062	E-1	MUNRO HENRY	SHINGLE MF	251-S	20			1	216	40	240	200
0062	A-3	MUNRO PRESLEY	BLACKSMITH SHOP	896	40			1	300	20	300	280
0061	C-2	MURPHY ELIZABETH	WEAVER	182-W	10			2	43	200	88	-112
0061	C-2	MURPHY PETER	TAILOR	242	75			3	600	400	1000	600
0061	B-1	MYERS RUTH	WEAVER	182-W	15			1	20	100	180	80

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0061	C-1	NANLEY WILLIAM	TANNERY	172	40			1	100	100	260	160
0061	A-2	NAYLOR THOMAS	BLACKSMITH	896	1200			2	600	63	1000	937
0061	A-2	NAYLOR WILLIAM	SHOE SHOP	174	150			1	300	400	900	500
0060	C-3	NEIL JAMES W	LIME KILN	358-L	200			5	1000	1350	1350	1214
0062	A-1	NESCOTT WILLIAM ?	WEAVING LOOM	182-W	12			1	75	320	480	160
0061	A-1	NEWBURY ROBERT	BRICK MANUFACTORY	351-B	8000	HORSE	1	45	5400	275	13000	12725
0062	D-1	NEWTON C ?	BLACKSMITH SHOP	896	200			1	400	100	1000	900
0061	C-1	NEWTON RICHARD	CHEESE FACTORY	104	3200	HORSE		4	1200	9000	11096	2096
0061	B-3	NICHOL JAMES	WEAVER	182-W	30		2	1	200	500	850	350
0062	C-1	NICHOLSON DAVID	WEAVING LOOM	182-W	12			1	20	100	138	38
0062	E-2	NICHOLSON DONALD	WEAVING LOOM	182-W	20			1	75	170	257	87
0060	C-2	NILES & LEGATE	BAKER/CONFECTION	107/108-C	600			13	3000	1000	14000	13000
0062	G-2	NUGENT PATRICK	WEAVER SHOP	182-W	50			2	100	740	900	160
0062	E-1	O'BRIEN JAMES	COOPERAGE	259-C	230			1	360	60	604	544
0062	C-2	O'DONNELL MARY AN	WEAVING LOOM	182-W	15			1	62	280	380	100
0062	E-2	O'HARRA JAMES	SAW MILL	251	700	WATER	20	3	648	450	1200	750
0060	A-1	O'NEIL JAMES	LIME KILN	358-L	70			1	50	20	90	70
0062	E-1	ORR WILLIAM	CARRIAGE MF	329	450			2	620	80	850	770
0062	E-1	ORR WILLIAM	BLACKSMITH SHOP	896	400			2	620	600	2000	1400
0061	A-2	OSBORN RICHARD	TANNERY	172	2000	WATER	20	3	700	2800	4200	1400
0061	B-2	OSBORN WILLIAM A	HARNES SHOP	179-S	200			1	300	300	900	600
0060	C-1	OSTRUM SYLVEST	WOOL DRESSING ES	189-D	1400	STEAM	15	5	900	500	1500	1000
0060	A-1	PACKENHAM EDWARD	FLOUR MILL	105	1000	WATER	50	4	400	15000	17508	2508
0060	A-1	PACKENHAM EDWARD	COOPER SHOP	259-C	1000	WATER	12	4	800	400	1200	800
0060	A-1	PACKENHAM EDWARD	CARDING MILL	189-W	250	WATER	12	1	208	1229	1522	293
0060	A-1	PAGE A S & CO	SAW MILL	251	20000	STEAM	120	125	30000	105000	140000	35000
0060	C-3	PAKE J & S	CARPENTER SHOP	254	200			2	600	300	1500	1200
0061	A-2	PALMER ANNIE ?	WEAVING	182-W	25			1	50	150	273	123
0061	B-3	PALMER JAMES	BLACKSMITH FORGE	896	150			2	800	120	1000	880
0061	A-2	PALMER WELLINGTON	BLACKSMITH FORGE	896	400			2	400	170	700	530
0062	D-1	PAPIN L J	BOOT/SHOE SHOP	174	100			2	468	530	1000	470
0062	A-1	PARKER FRANK B	SAW MILL	251	500	WATER	20	1	300	500	800	300
0061	C-2	PARKS CYNTHIA	WEAVER	182-W	15			2	50	147	200	53
0061	C-2	PARKS JANE	WEAVER	182-W	15			2	50	75	150	75
0060	A-1	PARKS MARRIETTA	HANDLOOM WEAVING	896	30			1	35	115	210	95
0061	B-1	PEGAN ROBERT ?	BLACKSMITH FORGE	896	100			1	200	300	600	300
0061	B-1	PEGAN ROBERT F	IRON FOUNDRY	307-S/311	1000	WATER	7	3	800	800	2880	2080
0061	B-1	PEGAN ROBERT F	CABINET SHOP	261	400			2	500	400	2000	1600
0062	A-4	PEIRSON JAMES	WEAVING LOOM	182-W	12			1	12	10	20	10
0060	C-3	PERKINS WILLIAM	SHOEMAKER SHOP	174	100			3	700	200	1000	800
0061	A-2	PHILIPP GEORGE	BLACKSMITH FORGE	896	200	STEAM	5	1	300	80	500	420
0062	C-1	PHILLIPS ?	WEAVING LOOM	182-W	12			1	50	130	220	90
0061	C-1	PHILLIPS JOHN	SHINGLE SHOP	251-S	8			1	12	25	39	14
0062	C-2	PHILLIPS PHOEBE	WEAVING LOOM	182-W	12			1	62	330	440	110
0060	C-3	PHIPPEN J A	POTASH MANUFACTO	378-P	500			9	2500	7000	15500	8500
0060	C-4	PHIPPEN JOHN A	POTASH MANUFACTO	378-P	4000			12	3600	2600	10000	7400
0060	C-3	PHIPPEN & GRAHAM	SOAP/CANDLE FACT	376	6000			4	1500	6000	15000	9000
0062	D-1	PIERCE & SON	FLOUR MILL	105	3000	WATER	60	2	700	20000	21700	1700
0062	D-1	PIERCE & SON	SAW MILL	251	1000	WATER	60	1	300	1000	2400	1400
0061	A-2	PITMAN MARY	WEAVING	182-W	15			1	60	325	490	165
0062	G-1	POUND GEORGE	SHINGLE FACTORY	251-S	10			2	80	10	125	115

## HASTINGS COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0060	C-2	POWELL WILLIAM	BLACKSMITH/WAGON	329/306	4000	WATER	30	10	2500	3500	9000	5500
0062	D-1	POWELL CHARLES	SAW MILL	251	200	WATER	15	1	150	360	720	360
0060	B	POWERS JAMES	WAGON SHOP	329	200		.	1	500	84	600	516
0062	I	POWERS ELIZABETH	WEAVING LOOM	182-W	16		.	1	100	222	336	114
0062	A-1	PRESTON JAMES	WEAVING LOOM	182-W	25		.	1	13	45	72	27
0060	C-4	PRINGLE ANDREW	SASH FY/PLANING	254	4000	STEAM	30	7	3000	250	5000	4750
0061	C-1	PRINGLE JOSEPH	SHINGLE SHOP	251-S	10		.	1	40	15	56	41
0062	E-3	PRINGLE WILLIAM H	CARDING/FULLING	189-W	2000	W/S	15	2	400	6370	6877	507
0062	E-3	PRINGLE WILLIAM H	SAW MILL	251	400	WATER	.	2	120	315	700	385
0060	A-2	PRIOR AMANDA	SEAMSTRESS	242	55		.	1	72	300	372	72
0060	B	PURDY W RALPH	PLASTER MILL	359-P	3000	STEAM	25	3	450	2300	3900	1600
0060	B	QUINLAN JAMES	CABINET SHOP	261	150	HORSE	1	2	700	84	1000	916
0061	B-1	RANDELL ANSEL B	CARRIAGE FACTORY	329	200		.	1	250	36	500	464
0062	C-1	RANSON SAMUEL ?	TAILOR SHOP	242	20		.	1	250	360	610	250
0061	B-1	RATHBUN H B & S	SAW MILL	251	50000	STEAM	150	311	39250	77900	140754	62854
0061	B-1	RATHBUN H B & S	SHIP YARD	327	12000		.	30	16200	15000	45000	30000
0061	B-1	RATHBUN H B & S	HARNESS SHOP	179-S	1000		.	2	960	600	2000	1400
0061	B-1	RATHBUN H B & S	BLACKSMITH FORGE	315	1000		.	4	1300	4000	7000	3000
0060	C-3	RATHBUN H B	SAW/SASH MILL	251/254	.	STEAM	.	95	17000	45000	81000	36000
0062	A-2	RAUNEY ELIZA ?	WEAVING LOOM	182-W	15		.	1	25	150	175	25
0060	C-4	REDICK & THOMPSON	SASH/DOOR/PLANIN	254	1200	WATER	10	4	1600	432	4300	3868
0062	G-2	REED GEORGE	WEAVER SHOP	182-W	50		.	1	72	400	514	114
0061	B-1	REED MARTHA	WEAVER	182-W	35		.	1	60	450	720	270
0062	E-1	REED MINERVA	WEAVING SHOP	182-W	22		.	1	20	10	47	37
0062	C-1	REED MRS N ?	WEAVING LOOM	182-W	12		.	2	75	260	360	100
0062	E-1	REED STEPHEN	CARRIAGE MF	329	200		.	3	800	200	2000	1800
0062	E-1	REED STEPHEN	BLACKSMITH SHOP	896	200		.	2	600	720	3000	2280
0062	A-2	REER ELLEN	WEAVING LOOM	182-W	18		.	1	50	200	250	50
0060	C-2	REEVES WILLIAM	WAGON SHOP	329	150		.	3	1200	1000	2500	1500
0060	C-4	REEVES WILLIAM	JOINER SHOP	254	300		.	4	1200	200	2000	1800
0061	C-3	REID JAMES	TAILOR	242	600		.	2	600	600	1750	1150
0062	C-2	REID MARY	WEAVING LOOM	182-W	15		.	1	62	275	390	115
0061	A-2	REID OWEN	SAW MILL	251	10000	WATER	150	18	1882	7000	14000	7000
0062	C-2	REID SARAH	WEAVING LOOM	182-W	15		.	1	62	270	360	90
0062	E-3	REMMINGTON JOHN	SHOEMAKER SHOP	174	8		.	1	120	1	130	129
0060	C-2	ROBERTSON & HENRY	TAILORING EST	243	1100		.	6	1400	1100	8000	6900
0060	C-2	ROBERTSON & LEVAN	BOOT/SHOE MF	174	300		.	17	3500	2000	7000	5000
0061	B-3	ROBERTSON ALMIRA	WEAVER	182-W	25		.	1	60	300	450	150
0061	C-1	ROBERTSON JOHN	TAILOR SHOP	242	50		.	1	200	300	500	200
0062	E-2	ROBINSON E	WEAVING LOOM	182-W	20		.	1	12	40	56	16
0062	E-2	ROBINSON MRS H ?	WEAVING LOOM	182-W	20		.	1	37	115	216	101
0062	C-1	ROBINSON REBECCA	WEAVING LOOM	182-W	16		.	1	40	130	192	62
0061	C-3	ROBINSON THOMAS	HANDLOOM	182-W	20		.	1	180	280	480	200
0061	B-1	ROBLIN NATHAN	WAGON SHOP	329	200		.	1	300	36	600	564
0060	A-2	ROBLIN PHILIP	CIDER PRESS	109-C	350	HORSE	2	3	100	562	2000	1438
0062	E-2	ROBLIN W A	BLACKSMITH SHOP	896	150		.	1	384	87	1000	913
0062	E-1	ROGERS ANDREW	SHINGLE FACTORY	251-S	10		.	1	140	8	18	10
0060	A-3	ROGERS CATHARINE	HANDLOOM	182-W	10		.	1	20	45	75	30
0062	C-1	ROLLINS GEORGE	WEAVING LOOM	182-W	12		.	1	25	100	132	32
0062	D-1	ROSE LARRY ?	COOPER SHOP	259-C	100		.	1	250	300	800	500
0062	E-3	ROSE MRS GEORGE	WEAVING LOOM	182-W	30		.	1	15	60	77	17



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0061	C-3	ROSEYEAR JOHN ?	SHOE SHOP	174	200			2	588	780	1568	788
0060	C-4	ROSS JAMES	SAW MILL	251	4000	STEAM	40	11	2000	7000	10000	3000
0062	F-2	ROSS ANSON	SAW MILL	251	600	WATER	20	2	360	240	800	560
0061	B-2	ROSS JOHN	CLOTH FACTORY	182	10000	WATER	50	24	4000	13000	25000	12000
0060	C-2	ROY JAMES A	BREWERY	109-B	350			3	1000	1500	4000	2500
0062	A-1	RUNDLE JAMES ?	WEAVING LOOM	182-W	25			1	30	70	114	44
0062	A-1	RUPERT IRA	LIME KILN	358-L	18			1	60	9	69	60
0062	A-1	RUPERT JOSEPH	WEAVING LOOM	182-W	12			1	25	82	138	56
0062	A-3	RUSSELL ANNE	WEAVING LOOM	182-W	25			1	12	30	40	10
0060	C-3	RUSSELL MRS JOHAN	DRESSMAKER	244	100			6	600	200	1300	1100
0061	B-4	RYAN DENNIS	SHINGLE SHOP	251-S	5			1	13	10	32	22
0062	C-1	RYAN MRS J ?	WEAVING LOOM	182-W	20			1	75	140	300	160
0060	A-3	SAGER MICHAEL	GRIST MILL	105	400	WATER		1	200	600	840	240
0062	E-2	SANFORD CHARLES	LIME KILN	358-L	10			2	30	20	50	30
0060	A-3	SARLES ROBERT ?	SAW MILL	251	1000	WATER		1	100	250	500	250
0060	C-2	SARGE JOHN G	CABINET MANUFACT	261	700	WATER	40	5	1800	1200	4000	2800
0061	A-2	SCANTLEBERRY WILL	SHOE SHOP	174	175			1	400	300	650	350
0062	C-1	SCHRIEVER MRS W	WEAVING LOOM	182-W	10			1	38	120	180	60
0062	A-1	SCOTT HUGH	WEAVING LOOM	182-W	40			1	12	35	60	25
0062	D-1	SCOTT JOHN	WEAVING LOOM	182-W	10			1	150	100	360	260
0062	A-4	SEELEY MARTIN	SAW/GRIST MILL	251/105	1000	WATER	8	4	500	2580	3625	1045
0062	A-1	SEELY JOHN	BLACKSMITH FORGE	896	200			1	208	72	300	228
0062	C-1	SEELY LYMAN	BLACKSMITH FORGE	896	60			1	300	65	400	335
0062	D-1	SEVERN & CO	GOLD CRUSHING MI	052	4000	STEAM	20	5	1200	396	720	324
0061	C-1	SEXSMITH JOHN	SHINGLE SHOP	251-S	10			1	126	186	350	164
0060	A-1	SHANON JOHN	SAW MILL	251		WATER	30	1	286	1000	1600	600
0060	A-1	SHARP JOSEPH	BLACKSMITH SHOP	896	100			2	490	300	900	600
0062	C-1	SHAW JOHN	SHOEMAKER	174	40			1	280	60	300	240
0062	E-2	SHAW MRS WM	WEAVING LOOM	182-W	15			1	25	30	48	18
0061	C-1	SHAW WILLIAM	SHINGLE SHOP	251-S	10			1	40	45	164	119
0060	B	SHEA WILLIAM	TIN/SHEET IRON F	304-T	1500			5	780	3350	5100	1750
0061	C-1	SHEING JAMES ?	FOUNDRY	315/311	5000	STEAM	20	23	6500	3500	12100	8600
0061	A-3	SHENIER GIDEON ?	SHOE SHOP	174	80			1	152	100	320	220
0061	A-1	SHERMAN ANDREW	HANDLOOM	182-W	50			1	100	300	480	180
0062	A-1	SILLS & BROS	LIME KILN	358-L	20			1	20	8	28	20
0060	A-1	SILLS & BROS	PAPER MILL	271	11000	WATER	75	12	4000	3500	10000	6500
0060	A-1	SILLS & BROS	FLOUR/FEED MILL	105	2500	WATER	25	1	468	10000	11500	1500
0060	A-1	SILLS & BROS	SAW MILL	251	500	WATER	20	1	310	300	700	400
0060	A-1	SIMMONS CATHERINE	HANDLOOM WEAVING	182-W	25			1	20	250	600	350
0060	A-1	SIMMONS DAVID	POTASH WORKS	378-P	500			3	720	2850	4950	2100
0060	A-2	SIMMONS JOHN	CIDER MILL	109-C	300	HORSE	2	1	35	247	880	633
0062	E-1	SIMPSON R & DEAN	PUMP MANUFACTORY	315-P	1000			4	1168	240	6400	6160
0060	C-3	SIMPSON GEORGE	PLASTER MILL	359-P	3000	STEAM	20	4	1000	2000	4500	2500
0062	E-1	SINCLAIR ELIZA	DRESS MAKING EST	244	65			2	120	800	1040	240
0062	E-1	SINCLAIR PETER	HARNES FACTORY	179-S	50			3	936	600	2100	1500
0062	B	SINE GEORGE	PRINTING OFFICE	286	400			1	100	31	300	269
0060	C-2	SMITH CHARLES	CHEESE VAT MF	304-T	1500			9	3600	7200	15000	7800
0060	C-2	SMITH SAMUEL	TIN SHOP	304-T	4500			4	1200	3000	7500	4500
0060	C-3	SMITH STEPHEN	BOATBUILDER	328	50			1	400	100	640	540
0061	B-1	SMITH D & APPLEBY	SAW MILL	251	3000	WATER	60	2	700	1000	2500	1500
0061	B-1	SMITH DAVID	GRIST/FLOUR MILL	105	8000	WATER	36	5	900	24000	32000	8000

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0061	C-2	SMITH ELLEN	WEAVER	182-W	80			2	50	287	380	93
0060	A-3	SMITH WELLINGTON	SHOEMAKER SHOP	174	100			1	300	350	850	500
0062	D-1	SMYTH JOHN	WEAVING LOOM	182-W	32			1	300	675	1080	405
0061	A-3	SNIDER	LIME KILN	358-L	30			2	52	50	125	75
0060	B	SNIDER CHARLES	TAILOR SHOP	243	150			2	800	2080	3328	1248
0062	A-2	SORTES ELIZA ?	POTASH FACTORY	378-P	200			2	600	170	750	580
0062	G-1	SPENCER MARY	WEAVING FACTORY	182-W	20			1	30	96	216	120
0061	A-2	SPENCER THOMAS	SHOE SHOP	174	50			1	300	200	600	400
0062	F-1	SPENCER WILLIAM	HARNESS SHOP	179-S	90			2	400	300	1200	900
0061	A-1	STAPLEY EDWARD	LIME KILN	358-L	1000			7	2000	400	750	350
0062	D-1	STEINBURGH ANSON	SAW MILL	251	100	WATER	8	1	312	250	560	310
0062	D-1	STEINBURGH ANSON	FLOUR MILL	105	500	WATER	8	2	600	4000	5000	1000
0060	A-1	STEPHENS DAVID B	TAILOR SHOP	242	55			2	620	1040	1872	832
0060	C-2	STEPHIN & MOORE	MARBLE SHOP	353	800			3	1728	1000	3000	2000
0062	B	STICKLES CHARLES	MILLINERY EST	249-M	60			4	250	476	700	224
0060	B	STICKNEY W EDWARD	JEWELER SHOP	695	160			3	794	50	1000	950
0061	A-1	STINSON WILLIAM	SAW MILL	251	12000	WATER	10	16	3000	10000	20000	10000
0062	E-2	STOCKPORE AUGUSTU	CARPENTER SHOP	261	25			1	100	6	250	244
0062	F-1	STREETS & SUGAR ?	SAW MILL	251	400	WATER	20	3	240	300	640	340
0061	A-2	SUTHERLAND ALEX	SAW MILL	251	6000	WATER	60	30	8000	8000	16000	8000
0060	A-1	SUTTLE JOSEPH	BLACKSMITH SHOP	896	150			1	300	120	475	355
0060	B	SWEET CORNELI	WAGON/BLACKSMITH	329/896	700			4	1200	800	2300	1500
0061	B-1	SWERTMAN WILLIAM	HARNESS SHOP	179-S	100			1	250	200	600	400
0061	B-2	SWING MILES	SHOEMAKER SHOP	174	50			1	300	500	1200	700
0062	E-1	TABOR SAMUEL	COOPERAGE	259-C	300			1	400	75	500	425
0062	F-1	TALMOND MARY	DRESSMAKER/MILLI	249-M/244	50			3	200	1500	2300	800
0060	C-2	TEMPLETON WILLIAM	TAILORING EST	242	200			1	480	500	1000	500
0060	C-2	TERWILLIGER A M ?	BOOT/SHOE MF	174	3000			18	2500	6000	12000	6000
0062	E-2	THOMPSON CAROLINE	WEAVING LOOM	182-W	20			1	12	75	120	45
0062	F-2	THOMPSON DANIEL	SAW MILL	251	500	WATER	20	4	400	1500	2000	500
0062	F-2	THOMPSON DANIEL	GRIST MILL	105	2000	WATER	18	3	600	25000	30000	5000
0060	C-2	TICKELL GEORGE	UNDERTAKING	266/258	2000			5	1900	6000	10000	4000
0061	C-3	TILLY PAUL	HANDLOOM	182-W	15			1	125	138	250	112
0060	C-3	TONERS MISS	MILLINERY	244/249-M	50			2	350	50	400	350
0062	C-1	TRASK MRS ALLEN ?	WEAVING LOOM	182-W	10			1	25	70	120	50
0060	C-2	TRILLIUM WILLIAM	BREWERY	109-B	400	HORSE	1	4	600	3000	5000	2000
0061	B-1	TRIPP MARY ANN	BLACKSMITH FORGE	896	100			1	300	50	700	650
0061	B-3	TRIPP MARY ANN	WEAVER	182-W	100			1	30	120	190	70
0062	B	TRUMEN BRADLEY	WEAVING LOOM	182-W	20			1	50	140	240	100
0062	F-1	TUCKER FRANCIS	LIME KILN	358-L	60			1	144	234	355	121
0062	C-1	TULOCK DAVID	BLACKSMITH FORGE	896	200			1	500	100	720	620
0060	A-2	TURNER CLIFFE JOHN	HANDLOOM WEAVER	182-W	50			1	45	100	160	60
0060	C-1	TURNER JEREMIA	BLACKSMITH FORGE	896	200			2	600	400	1600	1200
0062	F-1	TURNER J W	TIN SHOP	304-T	600			2	640	800	1800	1000
0062	A-2	TURNER MARY	WEAVING LOOM	182-W	30			1	100	475	660	185
0062	J-2	VANAILAN SARAH	WEAVING LOOM	182-W	10			1	150	96	146	50
0062	E-3	VANRINE BURKE ?	BLACKSMITH SHOP	896	150			1	600	71	950	879
0062	B-1	VANDERVOORT ELEAN	WEAVER	182-W	8			1	40	140	240	100
0060	A-2	VANDERVOORT JOHN	HANDLOOM	182-W	30			1	42	200	280	80
0061	B-1	VANDERVOORT JOHN	WAGON SHOP	329	100	STEAM	10	1	250	50	480	430
0060	A-2	VANDERVOORT JOHN	HANDLOOM WEAVER	182-W	60			2	87	400	520	120

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0062	A-2	VANDERVOORT SAMUE	SAW MILL	251	700	WATER	78	7	400	3000	6000	3000
0060	A-2	VANDERVOORT WILLI	CHEESE FACTORY	104	500			3	126	2973	3575	602
0060	A-3	VANDERWATER DANIE	SAW/SHINGLE MILL	251/251-S	4000	STEAM	5	6	300	725	1360	635
0061	C-3	VANDUREN ALLEN	BAKERY	107	936			1	400	936	1151	215
0060	A-1	VANKLEEK AMANDA	MILLINER SHOP	244/249-M	40			2	200	1000	1350	800
0062	F-2	VANKLEEK JOHN	BLACKSMITH SHOP	896	100			2	700	200	1000	800
0062	E-3	VANKLEEK PETER	SAW MILL	251	600	WATER	20	2	156	210	420	210
0060	A-1	VANNOUGHNELL CYNT	HANDLOOM WEAVING	182-W	20			1	24	20	50	30
0060	A-1	VANNIER JAMES ?	LIME KILN	358-L	40			1	50	60	187	127
0061	A-2	VERMELEYA SOLOMON	WAGON SHOP	329	1300	STEAM	20	4	1000	450	1550	1100
0060	C-3	VERMELEYA W H	CARRIAGE FACTORY	329	300			15	5200	3000	14000	11000
0062	A-3	VOLLIER CATHERINE	WEAVER	182-W	20			1	87	360	490	130
0061	C-1	WAITE ELIZABETH ?	WEAVER SHOP	182-W	8			1	10	35	85	50
0061	B-1	WALBRIDGE F & EAR	GRIST/FLOUR MILL	105	10000	WATER	70	4	900	24000	32000	8000
0061	B-1	WALBRIDGE FRANCIS	SAW MILL	251	5000	WATER	80	42	3130	15000	24000	9000
0061	C-2	WALKE ELIZA ANN	WEAVER	182-W	10			1	12	75	137	62
0060	C-2	WALKER JAMES M &	FOUNDRY	311/315	10000	STEAM	15	31	10000	6500	30000	23500
0060	C-2	WALLBRIDGE W H	IRON FOUNDRY	311/315-E	25000	STEAM	45	25	10000	5000	30000	25000
0061	C-3	WALLER JAMES	BLACKSMITH SHOP	329	400			1	468	300	1200	900
0061	B-1	WALSH EDWARD	BLACKSMITH FORGE	329	400			2	300	260	900	640
0062	G-2	WALT DAVID	WEAVER SHOP	182-W	30			2	75	220	285	65
0060	C-2	WALTERS THOMAS	TAILORING EST	242	1500			7	2000	6000	8000	2000
0060	C-2	WALTON GEORGE	SASH/DOOR/BLIND	254	1000	WATER	20	4	1500	350	3800	3450
0061	A-3	WARD ALBERT	CHEESE FACTORY	104	3000			6	1200	21661	24929	3268
0061	B-2	WARD WILLIAM	BLACKSMITH FORGE	896	200			1	250	75	500	425
0062	D-1	WARREN THOMAS	WAGON SHOP	329	50			2	400	20	1000	980
0062	F-1	WARREN V J	HAMMER FACTORY	306-T	3000	WATER	50	16	4000	4080	14000	9920
0062	E-3	WATT ALEXANDER	WEAVING LOOM	182-W	30			1	100	408	538	130
0060	A-1	WEESSE MRS ELIZABE	TAILOR SHOP	242	50			2	170	940	1525	585
0062	E-3	WEIR JOHN	BOOT/SHOE SHOP	174	20			1	200	80	270	190
0062	E-1	WEISS ERNEST LOUI	PHOTOGRAPHIC GAL	893	400			1	240	200	520	320
0062	E-1	WEISS LOUIS	BOOT/SHOE SHOP	174	50			1	400	270	540	270
0061	A-3	WELBURN WILLIAM ?	BLACKSMITH FORGE	896	350			2	50	1300	1400	100
0062	A-3	WELCH MARY	WEAVER	182-W	25			1	75	140	220	80
0062	E-1	WELLINGTON JOHN W	FLOUR MILL	105	3500	WATER	28	4	800	21600	24400	2800
0062	A-3	WELLS JOHN	WEAVER	182-W	25			1	25	24	50	26
0061	A-3	WELLS WM C	HARNES SHOP	179-S	200			1		40	100	60
0060	B	WERT JAMES	HARNES FACTORY	179-S/179-T	100			3	780	1000	2000	1000
0061	B-2	WEST JOHN	BLACKSMITH FORGE	896	150			2	700	300	1500	1200
0060	A-2	WESTOVER JANE	HANDLOOM WEAVER	182-W	20			2	96	425	595	170
0062	J-1	WETSEL JOANNA ?	WEAVING LOOM	182-W	15			2	250	660	1000	340
0062	B	WHEELER LYMAN	CARRIAGE FACTORY	329	1500			4	900	1600	2700	1100
0062	B	WHITE JOHN	FOUNDRY	307-S/311	2700	STEAM	12	4	400	185	880	695
0060	C-2	WHITE WILLIAM	SADDLE/HARNES S	179-S	400			2	600	200	3000	2800
0062	A-4	WHITE ELAINE	WEAVING LOOM	182-W	20			1	38	150	210	60
0062	E-1	WHITE JOHN	FOUNDRY	311/307-S	5000	STEAM	15	6	1600	1000	4000	3000
0060	A-1	WHITE RACHAEL	HANDLOOM WEAVING	182-W	15			2	120	600	1280	680
0061	C-3	WHITE WILLIAM	TIN SHOP	304-T	800			1	600	562	1362	800
0062	A-2	WIGGINS JANE	WEAVING LOOM	182-W	25			1	90	400	600	200
0062	D-1	WILKINSON JAMES	BOOT/SHOE SHOP	174	30			2	600	575	1600	1025
0062	D-1	WILLIAMS D	GOLD MINING/CRUS	052	10000	STEAM	20	17	6000	2100	7000	4900



## HASTINGS COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0061	B-1	WILLIAMS PETER	HARNESS SHOP	179-S	100			2	300	200	500	300
0060	A-1	WILLIAMSON JOEL	MILLINERY SHOP	249-M	65			1	112	1200	1800	600
0062	C-2	WILLIAMSON MARY	WEAVING LOOM	182-W	20			1	50	270	360	90
0060	A-2	WILMOT SAMUEL F	CHEESE FACTORY	104	4149			5	616	11310	16611	5301
0061	C-2	WILSON & DORCAN ?	SAW MILL	251	250	WATER	20	2	156	301	700	399
0062	J-2	WILSON & RIDDLE	SAW MILL	251	300	WATER		2	200	156	499	343
0062	A-2	WILSON ADAM	BLACKSMITH FORGE	896	200			2	500	300	1100	800
0062	H	WILSON JAMES	WEAVING LOOM	182-W	10			1	300	84	120	36
0062	F-2	WILSON JOHN	BLACKSMITH SHOP	896	80			1	500	200	700	500
0060	B	WILTSE & BOOTH	CARRIAGE FACTORY	329	400			8	3000	2700	6250	3550
0062	F-1	WOLFE GEORGE	CARDING/FULLING	189-W	1250	WATER	10	4	588	6000	7000	1000
0061	A-1	WOOLEY WARREN ?	BLACKSMITH SHOP	896	100			1	100	5	200	195
0061	C-3	WRAY WILLIAM	TAILOR	242	500			2	400	400	1000	600
0062	B	WRIGHT URIAL	TANNERY	172	600	HORSE	1	1	300	500	900	400
0061	C-3	WRIGHT WILLIAM	ASHERY	378-P	250			2	450	725	1200	475
0060	B	YOUNG GEORGE	PRINTING OFFICE	289	3600			5	1900	460	3000	2540
0062	E-3	YOUNG CATHERINE	WEAVING LOOM	182-W	10			2	100	277	365	88
0060	C-3	YOUNG MISS ELLEN	SEAMSTRESS	244	50			3	200	50	400	350
0062	F-1	ZELMER MRS	WEAVING LOOM	182-W	18			1	62	305	480	175
					908849		4219	3160	632039	1711241	3032034	1320793

BELLEVILLE: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0060	C-2	ABBOTT	GEORGE	BAKER/CONFECTION	107/108-C	450	.	13	3600	8000	12000	4000
0060	C-2	ADAMS	GEORGE	TIN SHOP	304-T	200	.	4	1560	1000	4000	3000
0060	C-1	ALFORD	WILLIAM	BOOT/SHOE SHOP	174	300	.	2	2000	600	2000	1400
0060	C-1	BAKER J	WILLIAM	CARRIAGE FACTORY	329	1000	.	10	1500	2000	5000	3000
0060	C-2	BARRETT	JAMES	SEWING MACHINE F	315-S	1500	6	16	4400	2000	9000	7000
0060	C-2	BECKETT	PAUL	HARNES SHOP	179-S	200	.	5	2000	1500	4000	2500
0060	C-4	BECKETT	MATILDA	TAILORING	242	40	.	1	150	230	400	170
0060	C-2	BELEK	MRS	MILLINERY EST	249-M	300	.	5	500	1000	2000	1000
0060	C-1	BELEK	SAMUEL ?	SODA FACTORY	109-S	1200	.	1	400	300	2000	1700
0060	C-3	BELLEVILLE	GAS CO	GAS WORKS	574	35900	.	4	1300	1800	7700	5900
0060	C-1	BELLEVILLE	STONEWARE	351-P	5000	3000	.	7	3000	2800	16000	13200
0060	C-3	BLAIND	WILLIAM	PAINTER SHOP	421-D	300	.	4	1500	500	3500	3000
0060	C-4	BLECKER	WILLIAM	FLOUR MILL	105	500	40	2	600	1000	14000	13000
0060	C-2	BORNICK	LEWIS	CABINET FACTORY	261	3000	30	32	3500	6000	25000	19000
0060	C-4	BORROW	PATRICK	FLOUR/FEED MILL	105	500	5	1	720	1000	14000	13000
0060	C-2	BOWELL	MACKENZ	PRINTING EST	289	6000	.	14	5000	3000	12000	9000
0060	C-2	BRADFORD	DAVID	BLACKSMITH SHOP	896	500	.	2	700	250	1050	800
0060	C-1	BROWN	G & J	MACHINE SHOP	311/315	50000	40	45	11500	19000	35000	16000
0060	C-2	BROWN	WILLIAM	BOOT/SHOE SHOP	174	150	.	6	500	400	1800	1400
0060	C-2	BROWN & ST	CHARLE	CARRIAGE FACTORY	329	3000	.	16	5000	2500	10000	7500
0060	C-1	BURRILL	ELLIS	AXE FACTORY	306-T	10000	40	25	8000	8000	26000	18000
0060	C-2	CAPLAND	JAMES	SADDLE/HARNES M	179-S	100	.	3	500	450	2000	1550
0060	C-2	CARMAN	J W & C	PRINTING/BINDING	289/287-B	5000	3	17	3000	4000	10000	6000
0060	C-2	CHOWN	GEORGE	TIN/SHEET IRON M	304-T	800	.	8	2750	3000	6000	3000
0060	C-3	CLARKE	F ?	WAGON SHOP	329	200	.	1	400	100	850	750
0060	C-3	CLARKE &	EGGLETO	CARRIAGES/BLACKS	329/896	500	.	5	720	300	2000	1700
0060	C-1	CORNELL	HENRY	PAINT SHOP	421-D	200	.	2	800	500	1600	1100
0060	C-2	COURTENAY	JOHN	MILLINERY/DRESSM	249-M	30	.	6	600	600	1500	900
0060	C-2	CUMMINS	JAMES	SADDLE/HARNES S	179-S	8300	.	5	1700	2300	6000	3700
0060	C-2	DAVIS	WILLIAM	SADDLER/HARNES	179-S	200	.	3	800	1000	2500	1500
0060	C-3	DAVIS &	MCRAE	SASH/BLIND FCY	254	1600	.	12	4000	2000	10000	8000
0060	C-3	DECK	ROBERT	TAILOR SHOP	242	400	.	6	500	300	1000	700
0060	C-4	DIAMOND	JOHN W	FLOUR MILL	105	10000	20	5	1600	30000	32000	2000
0060	C-2	DICKENS	WILLIAM	CONFECTIONER SHO	108-C	1000	.	5	1050	3800	10400	6600
0060	C-3	EDMONDS	A	TAILORING	243	50	.	1	200	50	300	250
0060	C-4	FLINT & YEAMANS	SAW MILL	251	15000	STEAM	125	45	2000	6000	10000	4000
0060	C-2	FORRIN	JOHN	CARPENTER/JOINER	259	1000	.	6	2200	10000	18000	8000
0060	C-4	FROST	FREDERI	CABINETMAKER	261	1100	30	11	3800	1400	7600	6200
0060	C-2	GIBSON	GEORGE	BOOT/SHOE MF	174	1000	.	8	2000	3000	6000	3000
0060	C-4	GILBERT	JOHN M	SASH/DOOR/BLIND	254	1000	10	4	1800	750	5000	4250
0060	C-1	HALPENS	JOSEPH	BOOT/SHOE SHOP	174	50	.	1	400	100	875	775
0060	C-2	HAMBLY	PHILLIP	BAKERY/CONFECTIO	107/108-C	15000	.	13	1560	3000	10000	7000
0060	C-1	HAMILTON	LAWRENC	SODA FACTORY	109-S	1200	.	2	600	400	2500	2100
0060	C-2	HARRISON	EDWARD	BOOK BINDING EST	287-B	250	.	3	500	1000	2500	1500
0060	C-4	HARROLD	JAMES	COOPER SHOP	259-C	500	.	4	1200	800	3000	2200
0060	C-2	HAYNES	GEORGE	HATTER/FURRIER	246	650	.	9	2500	8000	15500	7500
0060	C-1	HELLER	ANDREW	CLOTH DYEING EST	189-D	100	.	1	300	200	800	600
0060	C-3	HENBORRY	HENRY	DRESSMAKER/MILLI	244/249-M	200	.	10	600	1500	4000	2500
0060	C-2	HOGG	JAMES	CLOTHING STORE	242	300	.	10	2000	4000	6500	2500
0060	C-3	HOGG	WILLIAM	CARPENTER SHOP	254	250	.	2	700	300	1500	1200
0060	C-1	LAZIER	JOHN	CLOTH FACTORY	182	8000	20	11	1950	8000	10000	2000





## TRENTON VILLAGE: ALL ESTABLISHMENTS BY PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
O060	B	ALLAN	DAVID	BAKERY/CONFECTION	107/108-C	61	.	1	300	1700	2120	420
O060	B	BAIRD	ROBERT	WEAVING EST	182-W	20	.	1	150	430	820	390
O060	B	BIGELOW	CHARLES	TIN FACTORY	304-T	400	.	2	600	630	1500	870
O060	B	BLAIR	JOHN	CABINET FACTORY	261	100	.	1	400	50	450	400
O060	B	BRYANT & HUGHES	BOOTS/SHOE FACTOR	174	150	174	.	3	1000	651	1850	1199
O060	B	DAFOE	WILLIAM	COOPER SHOP	259-C	250	.	2	700	60	800	740
O060	B	DAVERAN	JAMES	BAKERY	107/108-C	50	.	1	360	1715	2915	1200
O060	B	FILION	ANDREW	BOOTS/SHOE FACTOR	174	100	.	3	900	500	1900	1400
O060	B	GILMOUR & CO	SAW MILL	251	60000	STEAM	110	170	36000	154000	220000	66000
O060	B	HUTCHINSON	JOSEPH	BAKER	107	50	.	1	360	2750	3463	713
O060	B	HYDE	JAMES	BOOTS/SHOE FACTOR	174	176	.	4	1200	869	3000	2131
O060	B	JOHNSON	MOSES	CARRIAGE SHOP	329	200	.	2	600	36	650	614
O060	B	KEELER	FREDERI	BLACKSMITH SHOP	896	150	.	2	600	200	830	630
O060	B	KERR	MARGARE	MILLINER SHOP	249-M	.	.	1	72	20	100	80
O060	B	KNOX	URIAH	BLACKSMITH SHOP	896	500	.	2	900	40	1400	1360
O060	B	LAIIRD	JAMES	BLACKSMITH SHOP	896	50	.	1	400	145	550	405
O060	B	LAW	WILLIAM	TAILOR SHOP	243	75	.	3	600	1128	1752	624
O060	B	LOBIN PETER	BAKERY	107	60	.	.	1	250	1854	2535	681
O060	B	MARSH	CHARLES	HARNESS SHOP	179-S	200	.	1	450	300	800	500
O060	B	MCCREW	PATRICK	HARNESS/TRUNK FC	179-S/179-T	120	.	3	900	1510	3500	1990
O060	B	MCCREADY	BERNARD	CLOTHING EST	243	200	.	7	1800	2000	4300	2300
O060	B	MCMAHON	JOHN	BLACKSMITH SHOP	896	75	.	2	630	564	1500	936
O060	B	MORRISON	W & I	CARRIAGE FACTORY	329	300	.	8	2400	2700	6000	3300
O060	B	POWERS	JAMES	WAGON SHOP	329	200	.	1	500	84	600	516
O060	B	PURDY	W RALPH	PLASTER MILL	359-P	3000	25	3	450	2300	3900	1600
O060	B	QUINLAN	JAMES	CABINET SHOP	261	150	1	2	700	84	1000	916
O060	B	SHEA	WILLIAM	TIN/SHEET IRON F	304-T	1500	.	5	780	3350	5100	1750
O060	B	SHEA W & ROBLIN J	FOUNDRY	315/311	5000	STEAM	20	23	6500	3500	12100	8600
O060	B	SNIDER	CHARLES	TAILOR SHOP	243	150	.	2	800	2080	3328	1248
O060	B	STICKNEY	W EDWARD	JEWELER SHOP	695	160	.	3	794	50	1000	950
O060	B	SWEET	CORNELI	WAGON/BLACKSMITH	329/896	700	.	4	1200	800	2300	1500
O060	B	WERT	JAMES	HARNESS FACTORY	179-S/179-T	100	.	3	780	1000	2000	1000
O060	B	WILTSE &	BOOTH	CARRIAGE FACTORY	329	400	.	8	3000	2700	6250	3550
O060	B	YOUNG	GEORGE	PRINTING OFFICE	289	3600	.	5	1900	460	3000	2540
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